

# Vascular Flora of the Sweetwater Mountains of California and Nevada

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with a little help from his friend

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The list below enumerates all of the known species of vascular plants occurring in the Sweetwater Mountains of California and Nevada, or that have a high likelihood of occurring there given an occurrence in immediately adjacent sites within the region of the upper Walker River drainage (delimited by the East and West Walker Rivers). This list represents a modification of the checklist of the vascular flora (1078 taxa) of the upper Walker River region originally compiled by Lavin (1983). This modification includes bringing the names of the plants in the list up-to-date and culling the names of those species that occur in the upper Walker River drainage that have little probability of occurring in the Sweetwater Mountains.

The upper Walker River drainage encompasses an area of approximately 4000 km<sup>2</sup> in northern Mono County of eastern California and southern ends of Douglas and Lyon Counties of western Nevada; the western boundary of this drainage parallels the crest of the Sierra Nevada and while the eastern boundary is formed by the Bodie, Masonic and Pine Grove Hills. The Sweetwater Mountains, which reach an elevation of more than 3550 m (Mount Patterson and Wheeler Peak), lie between these Great Basin ranges and the Sierra Nevada. Like the White Mountains 120 km to the south (Morefield, Taylor and DeDecker, 1988), the Sweetwater Mountains are situated between the Intermountain and Sierran floristic regions and display vegetation characteristics of both. The geography, geology, vegetation, and history of floristic study of this region has been reviewed by Cronquist et al. (1972) and Lavin (1983). It is only a bit of a generalization to state that the geological substrate of the main mass of the Sweetwaters include the distinctively light-colored rhyolites, in contrast to the primarily gray granodiorites of the Sierra Nevada and the dark basalts of the adjacent Great Basin Mountain ranges.

For the purpose of this list, adjacent Sierra Nevada refers to the region surrounding the Virginia Lakes area in the south to the Sonora Pass area in the north. Adjacent Great Basin mountains refer to the Wellington, Masonic, and Bodie Hills. When a species is described as widespread, this signifies that it is known from the Sweetwaters and adjacent Sierra Nevada and Great Basin mountains. When a species is described as common, this signifies that it is known from the Sweetwaters and either adjacent Sierra Nevada or Great Basin mountains. Any other descriptor of distributional ranges signifies that a species is known only from the Sweetwater Mountains, adjacent Sierra Nevada, or adjacent Great Basin mountains, at least within the area of the Walker River drainage. The vegetation zones given with each taxon are those originally identified by Dwight Billings in a 1951 publication on vegetational zonation in the Great Basin (Billings, 1951). Nomenclature follows the 1993 edition of *The Jepson Manual* (Hickman, 1993), except for the grass family (Poaceae), where the more rational classification of Cronquist's *Intermountain Flora* (vol. 6, 1977) is used. An asterisk (\*) preceding the name of a species indicates that it is either endemic to, mostly confined to, or known in California from only the area encompassed by the Walker River drainage (the Sweetwater Mountains harbor only one endemic species, *Draba incrassata*). The symbol † preceding the name of a species or variety indicates this taxon is NOT included in the *Jepson Desert Manual* (2002), which is due in large part to the species being known only from either the Sierra Nevada or the Intermountain region in Nevada but listed here anyway because it may well occur in the Sweetwaters.

## DENNSTAEDTIACEAE (Dryopteridaceae)

*Athyrium alpestre* (Hoppe) Clairv. var. *americanum* Butters. Occurs in adjacent Sierra Nevada in lodgepole pine forest.

*Cystopteris fragilis* (L.) Bernh. Widespread from pinyon-juniper woodlands through alpine tundra.

†*Pteridium aquilinum* (L.) Kuhn var. *pubescens* Underwood. Occurs in adjacent Sierra Nevada from Jeffrey pine - white fir to whitebark pine forest.

*Woodsia oregana* D. Eaton. Found in pinyon-juniper woodlands.

*Woodsia scopulina* D. Eaton. Common from Jeffrey pine - white fir forest through alpine tundra.

## EQUISETACEAE

*Equisetum arvense* L. Common at moist sites from pinyon-juniper woodlands through alpine tundra.

†*Equisetum hyemale* L. var. *affine* (Engelm.) Calder & Taylor. Occurs in adjacent Sierra Nevada at moist sites in Jeffrey pine - white fir forest.

*Equisetum laevigatum* A. Braun. Widespread at moist sites in pinyon-juniper woodlands, high elevation sagebrush-grass sites, and Jeffrey pine - white fir forest.

## ISOETACEAE

†*Isoetes bolanderi* Engelm. Occurs as a submerged aquatic in adjacent Sierra Nevada in lodgepole pine forest, whitebark pine forest, and alpine tundra.

## MARSILEACEAE

*Marsilea vestita* Hook. & Grev. ssp. *vestita*. Occurs in riparian sites in adjacent Sierra Nevada in Jeffrey pine - white fir forest.

## OPHIOGLOSSACEAE

*Botrychium simplex* Hitchcock. Occurs in adjacent Sierra Nevada in whitebark pine forest.

## PTERIDACEAE

†*Aspidotis densa* (Brack.) Lellinger. Occurs in adjacent Sierra Nevada from Jeffrey pine - white fir forest and lodgepole pine forest.

*Cheilanthes gracillima* D. Eaton. Common from pinyon-juniper woodlands, Jeffrey pine - white fir forest, and lodgepole pine forest.

†*Cryptogramma acrostichoides* R. Br. Occurs in adjacent Sierra Nevada in lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Pellaea breweri* D. Eaton. Common from Jeffrey pine - white fir forest through alpine tundra.

†*Pellaea bridgesii* Hook. Common from Jeffrey pine - white fir forest through alpine tundra.

## SELAGINELLACEAE

*Selaginella watsonii* Underwood. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.

## CUPRESSACEAE

†*Juniperus communis* L. Occurs in adjacent Sierra Nevada in lodgepole pine forest and whitebark pine forest.

*Juniperus occidentalis* Hook. ssp. *australis* Vasek. Widespread from pinyon-juniper woodland to lodgepole pine forest.

*Juniperus osteosperma* (Torr.) Little. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.

## EPHEDRACEAE

*Ephedra nevadensis* S. Wats. Widespread in low elevation sagebrush-grass and pinyon-juniper woodland.

*Ephedra viridis* Coville. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

## PINACEAE

*Abies concolor* (Gord. & Glend.) Hildebr. Common in moist sites from pinyon-juniper woodland to lodgepole pine forest.

*Abies magnifica* A. Murr. Occurs in adjacent Sierra Nevada from Jeffrey pine-white fir forest through lodgepole pine forest.

*Pinus albicaulis* Engelm. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Pinus contorta* Dougl. ex Loud. var. *murrayana* (Grev. & Balf.) Engelm. Common and ranging from pinyon-juniper woodland to alpine tundra.

*Pinus flexilis* James. Known from lodgepole pine forest and whitebark pine forest.

*Pinus jeffreyi* Grev. & Balf. Widespread in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Pinus monophylla* Torr. & Frem. Widespread in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Pinus monticola* Dougl. Occurs in adjacent Sierra Nevada and Great Basin mountains in high elevation sagebrush-grass, red fir forest, and lodgepole pine forest.

*Tsuga mertensiana* (Bong.) Carr. Occurs in adjacent Sierra Nevada from red fir to whitebark pine forest.

## ACERACEAE

*Acer glabrum* Torr. var. *torreyi* (Greene) Smiley. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest, red fir forest, and lodgepole pine forest.

## ALISMATACEAE

*Sagittaria cuneata* Sheldon. Reported from moist sites in adjacent Great Basin mountains in pinyon-juniper woodland.

## AMARANTHACEAE

*Amaranthus albus* L. Known from low elevation sagebrush-grass.

*Amaranthus blitoides* S. Wats. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

†*Amaranthus retroflexus* L. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.

## APIACEAE

*Angelica lineariloba* Gray. Common in high elevation sagebrush-grass, Jeffrey pine-white fir forest, lodgepole pine forest, and alpine tundra.

*Berula erecta* (Huds.) Coville. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.

*Cicuta douglasii* (DC.) Coult. & Rose. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.

†*Conium maculatum* L. Known from pinyon-juniper woodland.

*Cymopterus cinerarius* Gray. Known from whitebark pine forest and alpine tundra.

*Cymopterus globosus* (S. Wats.) S. Wats. Known from low elevation sagebrush-grass and pinyon-juniper woodland.

*Cymopterus panamintensis* Coult. & Rose var. *panamintensis*. Reported from the Sweetwaters probably from pinyon-juniper woodland.

*Cymopterus terebinthinus* (Hook.) M. E. Jones var. *californicus* (Coult. & Rose) Jepson. Widespread from pinyon-juniper woodland to lodgepole pine forest.

*Heracleum lanatum* Michaux. Known from moist sites in Jeffrey pine-white fir forest and lodgepole pine forest.

†*Ligusticum grayii* Coult. & Rose. Common in adjacent Sierra Nevada from Jeffrey pine-white fir forest to alpine tundra.

*Lomatium dissectum* (Nutt.) M. & C. var. *multifidum* (Nutt.) M. & C. Widespread from low elevation sagebrush-grass to lodgepole pine forest.

*Lomatium foeniculaceum* (Nutt.) Coult. & Rose. Known from adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

*Lomatium nevadense* (S. Wats.) Coult. & Rose. Widespread from low elevation sagebrush-grass to whitebark pine forest.

†*Osmorhiza chilensis* Hook. & Arn. Known from moist sites in Jeffrey pine-white fir forest and lodgepole pine forest.

*Osmorhiza occidentalis* (Nutt.) Torr. Known from moist sites from pinyon-juniper woodland to whitebark pine forest.

*Perideridia bolanderi* (Gray) A. Nels. & J.F. Macbr. ssp. *bolanderi*. Widespread from pinyon-juniper woodland to alpine tundra.

*Perideridia lemmonii* (Coult. & Rose) Chuang & Const. Known from high elevation sagebrush-grass and Jeffrey pine-white fir forest.

*Sphenosciadium capitellatum* Gray. Widespread at moist sites from pinyon-juniper woodland to whitebark pine forest.

#### APOCYNACEAE

*Apocynum androsaemifolium* L. Common in Jeffrey pine-white fir forest to lodgepole pine forest.

#### ASCLEPIADACEAE

*Asclepias cryptoceras* S. Wats. ssp. *davisii* (Woods.) Woods. Common in pinyon-juniper woodland and high elevation sagebrush-grass.

*Asclepias fascicularis* Decne. Common in pinyon-juniper woodland and high elevation sagebrush-grass.

*Asclepias speciosa* Torr. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.

#### ASTERACEAE

*Achillea millefolium* L. Widespread from pinyon-juniper woodland to alpine tundra.

*Ageratina occidentalis* (Hook.) King & Robinson. Widespread from pinyon-juniper woodland to whitebark pine forest.

*Agoseris aurantiaca* (Hook.) Greene. Known from moist sites in Jeffrey pine-white fir forest and lodgepole pine forest.

†*Agoseris elata* (Nutt.) Greene. Common at moist sites from Jeffrey pine-white fir forest to alpine tundra.

*Agoseris glauca* (Pursh) Raf. var. *monticola* (Greene) Cronq. Common from lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Agoseris glauca* (Pursh) Raf. var. *laciniata* (D. Eaton.) Smiley. Common from low elevation sagebrush-grass to Jeffrey pine-white fir forest.

*Ambrosia acanthicarpa* Hook. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

*Anisocoma acaulis* Torr. & Gray. Known from pinyon-juniper woodland.

*Antennaria dimorpha* (Nutt.) Torr. & Gray. Widespread from low elevation sagebrush-grass to Jeffrey pine-white fir forest.

*Antennaria media* Greene. Known from whitebark pine forest and alpine tundra.

*Antennaria rosea* Greene. Widespread from pinyon-juniper woodland to alpine tundra.

*Antennaria umbrinella* Rydb. Known from whitebark pine forest and alpine tundra.

*Arnica chamissonis* Less. ssp. *foliosa* (Nutt.) Maguire var. *andina* (Nutt.) Ediger & Barkley. Common in riparian sites from pinyon-juniper woodland to alpine tundra.

*Arnica chamissonis* Less. ssp. *foliosa* (Nutt.) Maguire. Common in riparian sites from pinyon-juniper woodland to alpine tundra.

†*Arnica cordifolia* Hook. var. *cordifolia*. Know from lodgepole pine forest.

†*Arnica diversifolia* Greene. Known from Jeffrey pine-white fir forest.

*Arnica longifolia* D. Eaton. Common from Jeffrey pine-white fir forest to alpine tundra.

*Arnica mollis* Hook. Known from lodgepole pine forest to whitebark pine forest.

†*Arnica nevadensis* Gray. Known from whitebark pine forest and alpine tundra.

*Arnica sororia* Greene. Known from pinyon-juniper woodland to Jeffrey pine-white fir forest.

*Artemisia arbuscula* Nutt. Widespread from pinyon-juniper woodland to alpine tundra.

*Artemisia cana* Pursh ssp. *bolanderi* (Gray) Ward. Known from moist sites from pinyon-juniper woodland to alpine tundra.

*Artemisia douglasiana* Bess. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Artemisia dracuncululus* L. Widespread from low elevation sagebrush-grass to alpine tundra.

*Artemisia ludoviciana* Nutt. ssp. *incompta* (Nutt.) Keck. Widespread from pinyon-juniper woodland to alpine tundra.

*Artemisia ludoviciana* Nutt. ssp. *ludoviciana*. Known from pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Artemisia norvegica* Fries var. *saxitalis* (Bess.) Hook. Common in adjacent Sierra Nevada from red fir forest to alpine tundra.

- Artemisia nova* A. Nels. Widespread in pinyon-juniper woodland and high elevation sagebrush-grass.
- Artemisia rothrockii* Gray. Known from whitebark pine forest and alpine tundra.
- Artemisia spinescens* D. Eaton. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.
- Artemisia tridentata* Nutt. ssp. *vaseyana* (Rydb.) Beetle. Widespread from pinyon-juniper woodland to whitebark pine forest.
- Artemisia tridentata* Nutt. ssp. *wyomingensis* Beetle & Young. Widespread from low elevation sagebrush-grass and pinyon-juniper woodland.
- Artemisia tridentata* Nutt. ssp. *tridentata*. Widespread from low elevation sagebrush-grass to whitebark pine forest.
- Aster alpinus* (Torr. & Gray) Gray ssp. *andersonii* (Gray) Peck. Common at moist sites from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Aster ascendens* Lindley. Known from moist sites in pinyon-juniper woodland.
- †*Aster (Heterotheca) breweri* (Gray) Semple. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest, lodgepole pine forest, and whitebark pine forest.
- Aster campestris* Nutt. Known from Jeffrey pine-white fir forest.
- Aster eatonii* (Gray) T.J. Howell. Known from moist sites in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- †*Aster integrifolius* Nutt. Occurs at moist sites from adjacent Sierra Nevada from red fir forest, lodgepole pine forest, and whitebark pine forest.
- Aster occidentalis* (Nutt.) Torr. & Gray var. *occidentalis*. Widespread at moist meadows from pinyon-juniper woodland to whitebark pine forest.
- Aster scopulorum* Gray. Common from low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.
- †*Balsamorhiza hookeri* Nutt. var. *lanata* Sharp. Common from low elevation sagebrush-grass to Jeffrey pine-white fir forest.
- Balsamorhiza sagittata* (Pursh) Nutt. Common from low elevation sagebrush-grass to Jeffrey pine-white fir forest.
- †*Bidens cernua* L. var. *cernua*. Occurs at moist sites in adjacent Great Basin ranges in pinyon-juniper woodland.
- †*Brickellia grandiflora* (Hook.) Nutt. var. *petiolaris* Gray. Occurs in adjacent Sierra Nevada in lodgepole pine forest.
- Brickellia microphylla* (Nutt.) Gray. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.
- Brickellia oblongifolia* Nutt. var. *linifolia* (D. Eaton.) B.L. Robins. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- Chaenactis alpigena* Sharsmith. Occurs in adjacent Sierra Nevada in whitebark pine forest and alpine tundra.
- Chaenactis douglasii* (Hook.) Hook. & Arn. var. *douglasii*. Widespread from low elevation sagebrush-grass to whitebark pine forest.
- †*Chaenactis nevadensis* (Kellogg) Gray. Common in whitebark pine forest and alpine tundra.
- Chaenactis xantiana* Gray. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.
- Chrysothamnus nauseosus* (Pall.) Britton ssp. *consimilis* (Greene) Hall & Clem. Widespread from low elevation sagebrush-grass to high elevation sagebrush-grass.
- Chrysothamnus nauseosus* (Pall.) Britton ssp. *albicaulis* (Nutt.) Hall & Clem. Widespread from pinyon-juniper woodland to lodgepole pine forest.
- \**Chrysothamnus parryi* (Gray) Greene ssp. *monocephalus* (Nels. & Kenn.) Hall & Clem. Common in whitebark pine forest and alpine tundra.
- Chrysothamnus parryi* (Gray) Greene ssp. *nevadensis* (Gray) Hall & Clem. Known from pinyon-juniper woodland.
- Chrysothamnus viscidiflorus* (Hook.) Nutt. ssp. *puberulus* (D. Eaton) Hall & Clem. Widespread from low elevation sagebrush-grass to alpine tundra.
- Chrysothamnus viscidiflorus* (Hook.) Nutt. ssp. *viscidiflorus*. Widespread from low elevation sagebrush-grass to Jeffrey pine-white fir forest.
- Cichorium intybus* L. Known from moist site in low elevation sagebrush-grass and pinyon-juniper woodland.
- Cirsium arvense* (L.) Scop. Expected from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- †*Cirsium andersonii* (Gray) Jepson. Occurring at moist sites from Jeffrey pine-white fir forest to alpine tundra.
- Cirsium arizonicum* (Gray) Petrak. Occurs in adjacent Sierra Nevada from whitebark pine forest and alpine tundra.
- Cirsium occidentale* (Nutt.) Jepson. var. *candidissimum* (Greene) Macbr. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Cirsium scariosum* Nutt. (dwarf and tall forms). Widespread at moist sites from pinyon-juniper woodland to alpine tundra.
- Cirsium canovirens* Rydb. Common from pinyon-juniper woodland to whitebark pine forest.
- Cirsium vulgare* (Savi) Tenore. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Conyza canadensis* (L.) Cronq. Widespread at moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Crepis acuminata* Nutt. Common from pinyon-juniper woodland to lodgepole pine forest.
- Crepis intermedia* Gray. Common from pinyon-juniper woodland to lodgepole pine forest.
- †*Crepis modocensis* Greene ssp. *subcaulis* (Kell.) Babcock & Stebbins. Known from lodgepole pine forest and whitebark pine forest.
- Crepis nana* Richards. Common in adjacent Sierra Nevada from whitebark pine forest and alpine tundra.

- Crepis occidentalis* Nutt. Widespread from low elevation sagebrush-grass to lodgepole pine forest.
- Dugaldia hoopesii* (Gray) Rydb. Common at moist sites from high elevation sagebrush-grass to alpine tundra.
- Eatonella nivea* (D. Eaton.) Gray. Widespread in pinyon-juniper woodland and high elevation sagebrush-grass.
- Ericameria (Haplopappus) bloomeri* (Hook.) Macbr. Common in lodgepole pine forest.
- Ericameria (macronema) discoidea* (Nutt.) Nesom. Common in whitebark pine forest and alpine tundra.
- Ericameria (Haplopappus) suffruticosa* (Nutt.) Nesom. Common from lodgepole pine forest to alpine tundra.
- Erigeron algidus* Jepson. Common in whitebark pine forest and alpine tundra.
- Erigeron aphanactis* (Gray) Greene var. *aphanactis*. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.
- Erigeron bloomeri* Gray var. *bloomeri*. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- Erigeron breweri* Gray var. *porphyreticus* (M.E. Jones) Cronq. Widespread pinyon-juniper woodland, high elevation sagebrush-grass, Jeffrey pine-white fir forest, and whitebark pine forest.
- Erigeron clokeyi* Cronq. Widespread in pinyon-juniper woodland through alpine tundra.
- Erigeron compositus* Pursh. Widespread in high elevation sagebrush-grass through alpine tundra.
- †*Erigeron coulteri* Porter. Widespread at moist sites from Jeffrey pine-white fir forest through whitebark pine forest.
- Erigeron divergens* Torr. & Gray. Common from Jeffrey pine-white fir forest through whitebark pine forest.
- Erigeron eatonii* Gray var. *nevadincola* Blake. Widespread in pinyon-juniper woodland and whitebark pine forest.
- Erigeron eatonii* Gray var. *plantagineus* (Greene) Cronq. Widespread from low elevation sagebrush-grass through whitebark pine forest.
- Erigeron peregrinus* (Pursh) Greene ssp. *callianthemis* (Greene) Cronq. Common in meadows from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Erigeron pygmaeus* (Gray) Greene. Common in whitebark pine forest and alpine tundra.
- Eriophyllum lanatum* (Pursh) Forbes var. *integrifolium* (Hook.) Smiley. Widespread from pinyon-juniper woodland to alpine tundra.
- Euthamia (Solidago) occidentalis* Nutt. Occurs in adjacent Great Basin mountain at moist sites in low elevation sagebrush-grass.
- Glyptopleura marginata* D. Eaton. Known from adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.
- Gnaphalium palustre* Nutt. var. *serrulata* (Rydb.) Steyermark. Common at moist sites from Jeffrey pine-white fir forest to alpine tundra.
- Grindelia squarrosa* (Pursh) Dunal var. *squarrosa*. Widespread in pinyon-juniper woodland and high elevation sagebrush-grass.
- Gutierrezia sarothrae* (Pursh) Britt. & Rusby. Common in pinyon-juniper woodland.
- Helianthus annuus* L. Common in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- †*Hieracium albiflorum* Hook. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest, red fir forest, and lodgepole pine forest..
- †*Hieracium gracile* Hook. var. *gracile*. Occurs in adjacent Sierra Nevada in lodgepole pine forest and whitebark pine forest.
- Hieracium horridum* Fries. Common in Jeffrey pine-white fir forest, lodgepole pine forest, and whitebark pine forest.
- Hulsea algida* Gray. Common in whitebark pine forest and alpine tundra.
- Hymenopappus filifolius* Hook. var. *nanus* (Rydb.) B.L. Turner. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- Hymenoxys cooperi* (Gray) Cockerell var. *canescens* (D. Eaton.) Parker. Common in whitebark pine forest and alpine tundra.
- Iva axillaris* Pursh. ssp. *robustior* (Hook.) Bassett. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.
- Lactuca serriola* L. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Layia glandulosa* (Hook.) Hook. & Arn. ssp. *glandulosa*. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- †*Leucanthemum vulgare* Lam. Common in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Machaeranthera canescens* (Pursh) Gray. var. *canescens*. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.
- Machaeranthera canescens* (Pursh) Gray. var. *shastensis* (Gray) B. L. Turner. Common from pinyon-juniper woodland through alpine tundra.
- Madia glomerata* Hook. *gracilis* (Sm.) Keck. Common in Jeffrey pine-white fir forest.
- Malacothrix sonchoides* (Nutt.) Torr. & Gray var. *torreyi* (Gray) E. Williams. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.
- †*Psilocarphus brevissimus* Nutt. var. *brevissimus*. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.
- Pyrrocoma (Haplopappus) apargioides* (Gray) Greene. Common from lodgepole pine forest to alpine tundra.
- Pyrrocoma (Haplopappus) lanceolata* (Hook.) Greene var. *lanceolata*. Common in meadows from high elevation sagebrush-grass and Jeffrey pine-white fir forest.

- Pyrocoma (Haplopappus) uniflora* (Hook.) Greene var. *uniflora*. Common in meadows from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Raillardella argentea* (Gray) Gray. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Senecio canus* Hook. Widespread from pinyon-juniper woodland to alpine tundra.
- Senecio fremontii* Torr. & Gray var. *occidentalis* Gray. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Senecio hydrophilus* Nutt. Widespread in pinyon-juniper woodland and lodgepole pine forest.
- Senecio integerrimus* Nutt. var. *exaltatus* (Nutt.) Cronq. Widespread from low elevation sagebrush-grass to whitebark pine forest.
- Senecio multilobatus* Torr. & Gray ex Gray. Widespread at moist sites from pinyon-juniper woodland to alpine tundra.
- \**Senecio pattersonensis* Hoover. Common in whitebark pine forest and alpine tundra.
- Senecio scorzonella* Greene. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Senecio serra* Hook. var. *serra*. Widespread at moist sites from pinyon-juniper woodland to whitebark pine forest.
- Senecio spartioides* Torr. & Gray. Common in Jeffrey pine-white fir forest, lodgepole pine forest, and whitebark pine forest.
- Senecio triangularis* Hook. Widespread at moist sites from Jeffrey pine-white fir forest to alpine tundra.
- Senecio werneriiifolius* (Gray) Gray. Common in whitebark pine forest and alpine tundra.
- Solidago multiradiata* Ait. Common from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Solidago spectabilis* (D. Eaton.) Gray. Occurs in adjacent Great Basin mountain at moist sites in pinyon-juniper woodland.
- Sonchus asper* (L.) Hill. ssp. *asper*. Widespread at moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Sphaeromeria cana* (D. Eaton.) Heller. Common from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Stenotus (Haplopappus) acaulis* Nutt. Widespread from low elevation sagebrush-grass to whitebark pine forest.
- Stephanomeria exigua* Nutt. ssp. *coronaria* (Greene) Gottlieb. Common in lodgepole pine forest and whitebark pine forest.
- Stephanomeria exigua* Nutt. ssp. *exigua*. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.
- Stephanomeria spinosa* (Nutt.) S. Tomb. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- Taraxacum officinale* Wigg. Widespread at moist sites from low elevation sagebrush-grass through alpine tundra.
- Tetradymia canescens* DC. Widespread from low elevation sagebrush-grass through alpine tundra.
- Tetradymia glabrata* Torr. & Gray. Widespread from low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.
- Tetradymia spinosa* Hook. & Am. Occurs in adjacent Great Basin mountains from low elevation sagebrush-grass and pinyon-juniper woodland.
- \**Townsendia condensata* Parry ex Gray. Known from alpine tundra.
- Townsendia scapigera* D. Eaton. Known from high elevation sagebrush-grass through alpine tundra.
- Tragopogon dubius* Scop. Widespread from pinyon-juniper woodland through Jeffrey pine-white fir forest.
- Trimorpha (Erigeron) lonchophylla* (Hook.) Nesom. Widespread at moist sites from low elevation sagebrush-grass to whitebark pine forest.
- Uropappus (Microseris) lindleyi* (DC.) Nutt. Common in pinyon-juniper woodland and high elevation sagebrush-grass.
- Wyethia mollis* Gray. Widespread from pinyon-juniper woodland through whitebark pine forest.

#### BETULACEAE

- Alnus incana* (L.) Moench ssp. *tenuifolia* (Nutt.) Breitung. Occurs in adjacent Sierra Nevada and Sweetwaters in riparian zones from pinyon-juniper woodland and Jeffrey pine-white fir forest.

#### BORAGINACEAE

- Amsinckia tessellata* Gray. var. *tessellata*. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- †*Cryptantha affinis* (Gray) Greene. Common from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Cryptantha cinerea* (Greene) Cronq. var. *abortiva* (Greene) Cronq. Expected at higher elevations.
- Cryptantha circumscissa* (Hook. & Arn.) Johnston. Widespread from low elevation sagebrush-grass through lodgepole pine forest.
- Cryptantha confertiflora* (Greene) Payson. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- Cryptantha echinella* Greene. Widespread from pinyon-juniper woodland through lodgepole pine forest.
- Cryptantha flavocolata* (A. Nels.) Payson. Widespread from low elevation sagebrush-grass through lodgepole pine forest.
- Cryptantha glomeriflora* Greene. Widespread from low elevation sagebrush-grass through alpine tundra.
- Cryptantha humilis* (Gray) Payson var. *humilis*. Widespread in pinyon-juniper woodland.
- Cryptantha nubigena* (Greene) Payson. Common in whitebark pine forest and alpine tundra.
- Cryptantha pterocarya* (Torr.) Greene. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- Cryptantha sobolifera* Payson. Common in whitebark pine forest.

*Cryptantha torreyana* (Cray) Greene var. *torreyana*. Common from high elevation sagebrush-grass and Jeffrey pine-white fir forest.

*Cryptantha watsonii* (Gray) Greene. Widespread from low elevation sagebrush-grass through whitebark pine forest.

*Hackelia micrantha* (Eastw.) J. Gentry. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Lappula redowskii* (Hornem.) Greene var. *redowskii*. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Mertensia oblongifolia* (Nutt.) G. Don var. *nevadensis* (A. Nels.) L.O. Williams. Widespread from pinyon-juniper woodland through alpine tundra.

*Pectocarya setosa* Gray. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

*Plagiobothrys hispidus* Gray. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Plagiobothrys jonesii* Gray. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

*Plagiobothrys kingii* (S. Wats.) Gray var. *harknessii* (Greene) Jepson. Widespread in pinyon-juniper woodland and whitebark pine forest.

*Plagiobothrys kingii* (S. Wats.) Gray var. *kingii*. Common low elevation sagebrush-grass and pinyon-juniper woodland.

*Plagiobothrys cognatus* (Greene) Johnston. Widespread at moist sites from pinyon-juniper woodland through lodgepole pine forest.

*Tiquilia nuttallii* (Hook.) Richards. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.

## BRASSICACEAE

*Anelsonia eurycarpa* (Gray) Macbr. & Payson. Common in alpine tundra.

\**Arabis bodiensis* Rollins. Widespread from pinyon-juniper woodland through whitebark pine forest.

\**Arabis cobrensis* M.E. Jones. Common in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Arabis xdivaricarpa* A. Nels. Widespread from pinyon-juniper woodland through alpine tundra.

*Arabis drummondii* Gray. Widespread from Jeffrey pine-white fir forest and lodgepole pine forest.

†*Arabis glabra* (L.) Bernh. var. *glabra*. Common at moist sites from Jeffrey pine-white fir forest and lodgepole pine forest.

*Arabis hirsuta* (L.) Scop. var. *glabrata* Torr. & Gray. Common from Jeffrey pine-white fir forest through lodgepole pine forest.

*Arabis holboellii* Hornem. var. *pendulocarpa* (A. Nels.) Rollins. Common from lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Arabis holboellii* Hornem. var. *pinetorum* (Tidestrom) Rollins. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Arabis holboellii* Hornem. var. *retrofracta* (Grahm.) Rydb. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Arabis inyoensis* Rollins. Common in whitebark pine forest and alpine tundra.

*Arabis lemmonii* S. Wats. var. *lemmonii*. Common in whitebark pine forest and alpine tundra.

*Arabis lyallii* S. Wats. var. *lyallii*. Common in whitebark pine forest.

*Arabis platysperma* Gray var. *platysperma*. Widespread from high elevation sagebrush-grass through alpine tundra.

*Arabis platysperma* Gray var. *howellii* (S. Wats.) Jepson. Common from lodgepole pine forest through alpine tundra.

*Arabis puberula* Nutt. Widespread from low elevation sagebrush-grass through lodgepole pine forest.

*Arabis pulchra* M.E. Jones ex S. Wats. var. *pulchra*. Widespread from pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Arabis sparsiflora* Nutt. var. *subvillosa* (S. Wats.) Rollins. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Arabis sparsiflora* Nutt. var. *sparsiflora*. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Barbarea orthoceras* Ledeb. Widespread at moist sites from pinyon-juniper woodland through alpine tundra.

*Capsella bursa-pastoris* (L.) Medik. Widespread in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Cardamine breweri* S. Wats. var. *breweri*. Widespread at moist sites from pinyon-juniper woodland through alpine tundra.

\**Cusickiella quadricostata* (Rollins) Rollins. Common in pinyon-juniper woodland and high elevation sagebrush-grass.

*Descurainia californica* (Gray) O.E. Schulz. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Descurainia incana* (Fischer & Meyer) Dorn. Common in whitebark pine forest and alpine tundra.

*Descurainia incisa* (Gray) Britt. ssp. *filipes* (Gray) Rollins. Widespread from low elevation sagebrush-grass through lodgepole pine forest.

*Descurainia pinnata* (Walt.) Britt. ssp. *menziesii* (DC.) Detling. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Descurainia sophia* (L.) Webb. Widespread from low elevation sagebrush-grass through whitebark pine forest.

*Draba albertina* Greene. Widespread from lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Draba breweri* S. Wats. Widespread in whitebark pine forest and alpine tundra.

*Draba densifolia* Nutt. Widespread from pinyon-juniper woodland through alpine tundra.

\**Draba incrassata* (Rollins) Rollins & Price. Endemic to the Sweetwaters from lodgepole pine forest, whitebark pine forest, and alpine tundra.

†*Draba lemmonii* S. Wats. Occurs in adjacent Sierra Nevada in whitebark pine forest and alpine tundra.

*Draba oligosperma* Hook. var. *oligosperma*. Common in whitebark pine forest and alpine tundra.

*Draba oligosperma* Hook. var. *subsessilis* (S. Wats.) O.E. Schulz. Common in alpine tundra.

*Erysimum capitatum* (Dougl.) Greene. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Erysimum capitatum* (Dougl.) Greene ssp. *perenne* (Coville) Price. Widespread from high elevation sagebrush-grass through alpine tundra.

†*Erysimum repandum* L. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

*Hutchinsia procumbens* (L.) Nutt. ex Torr. & Gray. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.

*Lepidium perfoliatum* L. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Lepidium virginicum* L. var. *pubescens* (Greene) Thell. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Lesquerella kingii* S. Wats. var. *kingii*. Widespread from low elevation sagebrush-grass to alpine tundra.

*Phoenicaulis cheiranthoides* Nutt. Widespread from pinyon-juniper woodland to alpine tundra.

*Polycytenium fremontii* (S. Wats.) Greene. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.

†*Rorippa curvisiliqua* (Hook.) Britton. Common in riparian sites in lodgepole pine forest and whitebark pine forest.

†*Rorippa nasturtium-aquaticum* (L.) Hayek. Widespread in riparian sites from pinyon-juniper woodland to Jeffrey pine-white fir forest.

*Rorippa palustris* (L.) Besser (*R. teres* ?). Common in riparian sites from high elevation sagebrush-grass to lodgepole pine forest.

*Sisymbrium altissimum* L. Widespread from low elevation sagebrush-grass to Jeffrey pine-white fir forest.

*Stanleya pinnata* (Pursh) Britton var. *pinnata*. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

\**Streptanthus oliganthus* Rollins. Widespread from pinyon-juniper woodland to Jeffrey pine-white fir forest.

†*Streptanthus tortuosus* Kellogg var. *orbiculatus* (Greene) Hall. Occurs in adjacent Sierra Nevada from lodgepole pine forest to alpine tundra.

*Thelypodium crispum* Greene ex Payson. Widespread from low elevation sagebrush-grass to whitebark pine forest.

*Thelypodium integrifolium* (Nutt.) Endl. ssp. *complanatum* Al-Shehbaz. Occurs at moist sites in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

#### CACTACEAE

*Opuntia erinacea* Engelm. & Bigelow var. *utahensis* (Engelm.) Benson. Widespread from low elevation sagebrush-grass to whitebark pine forest.

\**Opuntia pulchella* Engelm. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.

#### CALLITRICHACEAE

*Callitriche verna* L. Widespread from low elevation sagebrush-grass to Jeffrey pine-white fir forest.

#### CAMPANULACEAE

*Nemacladus rigidus* Curran. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

*Porterella carnosula* (Hook. & Am.) Torr. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest.

#### CANNABACEAE

†*Humulus lupulus* L. Expected in low elevation sagebrush-grass through Jeffrey pine-white fir forest.

#### CAPPARIDACEAE (Capparaceae)

\**Cleomella hillmanii* A. Nels. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass (not yet known from California).

*Cleomella parviflora* Gray. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.

#### CAPRIFOLIACEAE

†*Lonicera involucrata* (Rich.) Banks ex Sprengel. Occurs at moist sites in adjacent Sierra Nevada from Jeffrey pine-white fir forest through whitebark pine forest.

*Sambucus mexicana* C. Presl. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Sambucus racemosa* L. var. *microbotrys* (Rydb.) Kearney & Peebles. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Symphoricarpos longiflorus* Gray. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

*Symphoricarpos rotundifolius* Gray var. *rotundifolius*. Widespread from pinyon-juniper woodland through alpine tundra.

#### CARYOPHYLLACEAE

†*Arenaria aculeata* S. Wats. Widespread from pinyon-juniper woodland through alpine tundra.

*Cerastium beeringianum* Cham. & Schldl. var. *capillare* Fern. & Wieg. Common in whitebark pine forest and alpine tundra.

- †*Cerastium fontanum* Baumg. ssp. *vulgare* (Hartman) Greuter & Burdet. Common from pinyon-juniper woodland to lodgepole pine forest.
- Minuartia nuttallii* (Pax) Briq. ssp. *fragilis* (Maguire & Holmgren) McNeill. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Minuartia nuttallii* (Pax) Briq. ssp. *gracilis* (B.L. Robins.) McNeill. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- †*Minuartia rubella* (Wahlenb.) Hiem. Common in alpine tundra.
- Minuartia stricta* (Sw.) Hiern. Known from alpine tundra.
- †*Pseudostellaria jamesiana* (Torr.) Weber & Hartman. Common in Jeffrey pine-white fir forest and lodgepole pine forest.
- Sagina saginoides* (L.) Karst. Common at moist sites from Jeffrey pine-white fir forest and whitebark pine forest.
- Saponaria officinalis* L. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- Silene bernardina* S. Wats. Common in whitebark pine forest and alpine tundra.
- Silene menziesii* Hook. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest and lodgepole pine forest.
- Silene sargentii* S. Wats. Widespread in whitebark pine forest and alpine tundra.
- †*Stellaria crispa* Cham. & Schlecht. Common at moist sites from Jeffrey pine-white fir forest to alpine tundra.
- Stellaria longipes* Goldie var. *longipes*. Widespread at moist sites from pinyon-juniper woodland to whitebark pine forest.
- †*Stellaria umbellata* Kar. & Kir. Occurs in adjacent Sierra Nevada at moist sites from red fir forest to whitebark pine forest.

#### CENOPODIACEAE

- Atriplex canescens* (Pursh) Nutt. ssp. *canescens*. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland and high elevation sagebrush-grass.
- Atriplex confertifolia* (Torr. & Frem.) S. Wats. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.
- †*Atriplex patula* L. ssp. *hastata* (L.) H. & S. Common in pinyon-juniper woodland.
- Bassia hyssopifolia* (Pallas) Kuntze. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland and high elevation sagebrush-grass.
- Chenopodium album* L. Widespread from high elevation sagebrush-grass to alpine tundra.
- Chenopodium atrovirens* Rydb. Widespread from pinyon-juniper woodland to red fir forest.
- Chenopodium botrys* L. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- †*Chenopodium dessiccatum* A. Nels. var. *leptophylloides* (J. Murr) H. A. Wahl. Common from Jeffrey pine-white fir forest to lodgepole pine forest.
- †*Chenopodium dessiccatum* A. Nels. var. *dessiccatum*. Common in pinyon-juniper woodland.
- Chenopodium foliosum* (Moench) Asch. Common in lodgepole pine forest and whitebark pine forest.
- Grayia spinosa* (Hook.) Moq. Widespread from low elevation sagebrush-grass to lodgepole pine forest.
- Halogeton glomeratus* (Bieb.) C.A. Mey. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.
- Kochia scoparia* (L.) Schrad. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.
- Krascheninnikovia lanata* (Pursh) A. D. J. Meeuse & Smit. Widespread in pinyon-juniper woodland and high elevation sagebrush-grass.
- Monolepis nuttalliana* (Roem. & Schult.) Greene. Widespread from pinyon-juniper woodland to whitebark pine forest.
- Salsola tragus* L. Widespread in low elevation sagebrush-grass and pinyon-juniper woodland.
- Sarcobatus vermiculatus* (Hook.) Torr. Common in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.
- Sueda (occidentalis) calceoliformis* (Hook.) Moquin. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.

#### CONVOLVULACEAE

- †*Calystegia occidentalis* (Gray) Brummitt. Common in Jeffrey pine-white fir forest.
- Convolvulus arvensis* L. Common in pinyon-juniper woodland.

#### CORNACEAE

- Cornus sericea* L. ssp. *sericea*. Widespread at moist sites from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.

#### CRASSULACEAE

- †*Sedum lanceolatum* (Nutt.) Britton & Rose. Common in lodgepole pine forest and whitebark pine forest.

#### CROSSOSOMATACEAE

- Glossopetalon spinescens* Gray. Known from pinyon-juniper woodland.

#### CUSCUTACEAE

- †*Cuscuta suksdorfii* Yunker var. *subpedicellata* Yunker. Reported from adjacent Great Basin mountains in pinyon-juniper woodland.

#### CYPERACEAE

- Carex abrupta* Mackenzie. Common in Jeffrey pine-white fir forest and lodgepole pine forest.
- Carex aquatilis* Wahlenb. Common at moist sites from Jeffrey pine-white fir forest and whitebark pine forest.
- Carex athrostachya* Olney. Widespread at moist sites from high elevation sagebrush-grass to whitebark pine forest.

- Carex aurea* Nutt. Common at moist sites from pinyon-juniper woodland to whitebark pine forest.
- Carex capitata* L. Common in whitebark pine forest and alpine tundra.
- †*Carex congdonii* Bailey. Common at moist sites from lodgepole pine forest to alpine tundra.
- Carex disperma* Dewey. Widespread from high elevation sagebrush-grass to lodgepole pine forest.
- Carex douglasii* Boott. Widespread from pinyon-juniper woodland to alpine tundra.
- Carex filifolia* Nutt. var. *erostrata* Kuk. Widespread from high elevation sagebrush-grass to alpine tundra.
- Carex helleri* Mackenzie. Widespread from whitebark pine forest to alpine tundra.
- Carex heteroneura* W. Boott var. *heteroneura*. Common at moist sites from Jeffrey pine-white fir forest to whitebark pine forest.
- Carex hoodii* Boott. Common at moist sites from Jeffrey pine-white fir forest to whitebark pine forest.
- †*Carex jonesii* .Bailey. Common at moist sites in Jeffrey pine-white fir forest and perhaps higher elevations.
- †*Carex lanuginosa* Michaux. Widespread at moist sites from pinyon-juniper woodland to whitebark pine forest.
- Carex leporinella* Mackenzie. Common especially in whitebark pine forest and alpine tundra.
- †*Carex luzulifolia* W. Boott. Common at moist sites from lodgepole pine forest and whitebark pine forest.
- Carex microptera* Mackenzie. Common from pinyon-juniper woodland to whitebark pine forest..
- Carex nebrascensis* Dewey. Widespread at moist sites from pinyon-juniper woodland to alpine tundra.
- †*Carex nigricans* C.A. Mey. Common at moist sites from lodgepole pine forest and whitebark pine forest.
- Carex phaeocephala* Piper. Common in whitebark pine forest and alpine tundra.
- Carex praegracilis* W. Boott. Common in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.
- Carex rossii* Boott ex Hook. Expected to occur in Jeffrey pine-white fir forest through whitebark pine forest.
- Carex scopulorum* T. H. Holm. var. *bracteosa* (Bailey) F.J. Herm. Common at moist sites from Jeffrey pine-white fir forest through alpine tundra.
- Carex straminiformis* Bailey. Widespread from high elevation sagebrush-grass through alpine tundra.
- Carex subnigricans* Stacey. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- \**Carex tahoensis* Smiley. Common in whitebark pine forest and alpine tundra.
- Carex utriculata* Boott. Common at wet sites from Jeffrey pine-white fir forest and lodgepole pine forest.
- Carex vallicola* Dewey. Widespread from high elevation sagebrush-grass through whitebark pine forest.
- Carex vernacula* Bailey. Common at moist sites from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- †*Carex vesicaria* L. var. *vesicaria*. Common at moist sites from Jeffrey pine-white fir forest through whitebark pine forest.
- Eleocharis macrostachya* Britton. Widespread at wet sites in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Eleocharis obtusa* var. *engelmannii* (Steudel) Gilly. Common at wet sites in pinyon-juniper woodland.
- †*Eleocharis pauciflora* (Light.) Link. Widespread at wet sites in pinyon-juniper woodland through whitebark pine forest.
- †*Eriophorum criniger* (Gray) Beetle. Occurs in adjacent Sierra Nevada at moist sites in whitebark pine forest and alpine tundra.
- Scirpus acutus* Bigelow. var. *occidentalis* (S. Wats.) Beetle. Occurs in adjacent Great Basin mountains at moist sites in pinyon-juniper woodland.
- Scirpus americanus* Pers. Occurs in adjacent Great Basin mountains at moist sites in pinyon-juniper woodland.
- Scirpus microcarpus* Presl. Widespread at moist sites from Jeffrey pine-white fir forest and lodgepole pine forest.
- Scirpus pungens* Vahl. Occurs in adjacent Great Basin mountains at moist sites in pinyon-juniper woodland.

## ELAEAGNACEAE

- Elaeagnus angustifolia* L. Probably occurs at moist sites in pinyon-juniper woodland.
- Shepherdia argentea* (Pursh) Nutt. Common at moist sites in pinyon-juniper woodland.

## ERICACEAE

- Arctostaphylos nevadensis* Gray. Occurs in adjacent Sierra Nevada in lodgepole pine forest.
- †*Cassiope mertensiana* (Bong.) D. Don. Occurs in adjacent Sierra Nevada in whitebark pine forest and alpine tundra.
- †*Kalmia polifolia* Wengen. ssp. *microphylla* (Hook.) Calder & Taylor. Occurs in adjacent Sierra Nevada in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Ledum glandulosum* Nutt. Common from red fir forest through alpine tundra.
- †*Orthilia secunda* (L.) House. Occurs in adjacent Sierra Nevada in moist sites from red fir forest and lodgepole pine forest.
- †*Phyllodoce breweri* (Gray) Heller. Occurs in adjacent Sierra Nevada from red fir forest through alpine tundra.
- †*Pterospora andromedea* Nutt. Occurs in adjacent Sierra Nevada from Jeffrey pine-white fir forest through red fir forest.
- †*Pyrola asarifolia* Michaux var. *asarifolia*. Occurs in adjacent Sierra Nevada at moist sites from Jeffrey pine-white fir forest and red fir forest.
- †*Pyrola minor* L. Occurs in adjacent Sierra Nevada at moist sites from lodgepole pine forest.
- †*Pyrola picta* Smith. Common in moist sites from red fir forest through whitebark pine forest.
- †*Sarcodes sanguinea* Torr. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest.
- †*Vaccinium caespitosum* Michaux. Occurs in adjacent Sierra Nevada at moist sites from whitebark pine forest and alpine tundra.

†*Vaccinium uliginosum* L. ssp. *occidentals* (Gray) Hulten. Occurs in adjacent Sierra Nevada in lodgepole pine forest, whitebark pine forest, and alpine tundra.

#### EUPHORBIACEAE

*Chamaesyce serpyllifolia* (Pers.) Small. ssp. *serpyllifolia*. Widespread from low elevation sagebrush-grass, pinyon-juniper woodland, and lodgepole pine forest.

#### FABACEAE

*Astragalus andersonii* Gray. Not common in pinyon-juniper woodland.

*Astragalus calycosus* S. Wats. var. *calycosus*. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.

*Astragalus canadensis* L. var. *brevidens* (Gand.) Barneby. Occurs in adjacent Sierra Nevada at moist sites in Jeffrey pine-white fir forest.

*Astragalus casei* Gray. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.

*Astragalus curvicarpus* (Heller) J.F. Macbr. var. *curvicarpus*. Probably occurring locally common from low elevation sagebrush-grass to Jeffrey pine-white fir forest.

*Astragalus iodanthus* S. Wats. var. *iodanthus*. Common from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

\**Astragalus johannis-howellii* Barneby. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and high elevation sagebrush-grass.

*Astragalus kentrophyta* Gray var. *danaus* Barneby. Common at whitebark pine forest and alpine tundra.

*Astragalus lentiginosus* Hook. var. *ineptus* (Gray) M.E. Jones. Widespread from three through alpine tundra.

*Astragalus malacus* Gray. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

*Astragalus obscurus* S. Wats. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.

\**Astragalus oophorus* S. Wats. var. *lavinii* Barneby. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

*Astragalus platytropis* Gray. Common in whitebark pine forest and alpine tundra.

*Astragalus purshii* Dougl. ex Hook. var. *lectulus* (S. Wats.) M.E. Jones. Widespread from pinyon-juniper woodland through alpine tundra.

*Astragalus purshii* Dougl. ex Hook. var. *tinctus* M.E. Jones. Widespread from pinyon-juniper woodland through Jeffrey pine-white fir forest.

*Astragalus whitneyi* Gray var. *whitneyi*. Widespread from pinyon-juniper woodland through alpine tundra.

†*Dalea ornata* (Hook.) Eaton & Wright. Occurs in adjacent Great Basin mountains in

†*Lotus grandiflorus* (Benth.) Greene. Occurs in adjacent Sierra Nevada in high elevation sagebrush-grass.

*Lupinus andersonii* S. Wats. Widespread from high elevation sagebrush-grass through alpine tundra.

*Lupinus arbustus* Lindley. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Lupinus argenteus* Pursh var. *heteranthus* (S. Wats.) Barneby. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Lupinus argenteus* Pursh var. *meionanthus* (Gray) Barneby. Common from Jeffrey pine-white fir forest through alpine tundra.

*Lupinus argenteus* Pursh var. *montigenus* (Heller) Barneby. Common in whitebark pine forest and alpine tundra.

*Lupinus brevicaulis* S. Wats. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

*Lupinus breweri* Gray. var. *bryoides* Smith. Widespread from high elevation sagebrush-grass through alpine tundra.

*Lupinus lepidus* Douglas var. *confertus* (Kellogg) Smith. Widespread at moist sites in Jeffrey pine-white fir forest.

*Lupinus lepidus* Douglas var. *lobbii* (S. Wats.) C. Hitchc. Occurs in adjacent Sierra Nevada in lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Lupinus lepidus* Douglas var. *ramosus* Jepson. Common from lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Lupinus nevadensis* Heller. Widespread in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Lupinus polyphyllus* Lindl. var. *burkei* (S. Wats.) C. Hitchc. Common at moist sites from red fir forest through whitebark pine forest.

*Medicago lupulina* L. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

*Medicago sativa* L. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

*Melilotus alba* Medik. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Melilotus officinalis* (L.) Pallas. Widespread in pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.

*Oxytropis parryi* Gray. Common in alpine tundra.

*Robinia pseudoacacia* L. Occurs in adjacent Sierra Nevada in pinyon-juniper woodland.

*Trifolium andersonii* Gray ssp. var. *andersonii*. Common in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

\**Trifolium andersonii* Gray var. *beatleyae* (Gillett) Isely. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland and high elevation sagebrush-grass.

*Trifolium cyathiferum* Lindl. Widespread at moist sites in high elevation sagebrush-grass, Jeffrey pine-white fir forest, and red fir forest.

†*Trifolium hybridum* L. Occurs in adjacent Sierra Nevada at moist sites in Jeffrey pine-white fir forest.

*Trifolium longipes* Nutt. ssp. *longipes*. Widespread in moist sites from high elevation sagebrush-grass through alpine tundra.

*Trifolium monanthum* Gray var. *monanthum*. Widespread in moist sites from high elevation sagebrush-grass through alpine tundra.

*Trifolium pratense* L. Common at moist sites in Jeffrey pine-white fir forest.

*Trifolium repens* L. Widespread at moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Trifolium wormskjoldii* Lehm. Common at moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Vicia americana* Willd. var. *americana*. Widespread at moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

#### FAGACEAE

†*Chrysolepis sempervirens* (Kellogg) Hjelmq. Occurs in adjacent Sierra Nevada from Jeffrey pine-white fir forest through whitebark pine forest.

#### GENTIANACEAE

*Gentiana newberryi* Gray. Common in moist sites from whitebark pine forest and alpine tundra.

*Gentianopsis holopetala* (Gray) Iltis. Common in moist site from pinyon-juniper woodland through whitebark pine forest.

†*Swertia radiata* (Kellogg) Kuntze. Common from Jeffrey pine-white fir forest through whitebark pine forest.

#### GERANIACEAE

*Erodium cicutarium* (L.) L'Her. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

†*Geranium richardsonii* Fisch. & Trautv. Widespread in moist sites from pinyon-juniper woodland through whitebark pine forest.

#### GROSSULARIACEAE

*Ribes aureum* Pursh var. *aureum*. Widespread in moist sites from high elevation sagebrush-grass an Jeffrey pine-white fir forest.

*Ribes cereum* Dougl. var. *cereum*. Widespread from pinyon-juniper woodland through alpine tundra.

*Ribes cereum* Dougl. var. *inebrians* (Lindley) C. Hitchc. Widespread from pinyon-juniper woodland through alpine tundra.

*Ribes inerme* Rydb. var. *inerme*. Widespread in moist places from pinyon-juniper woodland through lodgepole pine forest.

*Ribes montigenum* McClatchie. Common from Jeffrey pine-white fir forest through alpine tundra.

*Ribes velutinum* Greene. Widespread from low elevation sagebrush-grass through lodgepole pine forest.

†*Ribes viscosissimum* Pursh. Expected from pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

#### HIPPURIDACEAE

†*Hippuris vulgaris* L. Widespread submerged aquatic plant from low elevation sagebrush-grass through whitebark pine forest.

#### HYDROCHARITACEAE

*Elodea canadensis* Rich. Occurs in adjacent Sierra Nevada in submerged aquatic sites from Jeffrey pine-white fir forest and whitebark pine forest.

#### HYDROPHYLLACEAE

*Hesperochiron californicus* (Benth.) S. Wats. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

†*Hydrophyllum capitatum* Dougl. ex Benth. var. *alpinum* S. Wats. Common from lodgepole pine forest and whitebark pine forest.

*Nama aretioides* (Hook. & Arn.) Brand. Common from low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.

*Nama densum* Lemmon. Widespread in Jeffrey pine-white fir forest.

†*Nemophila spatulata* Coville. Widespread from high elevation sagebrush-grass through alpine tundra.

*Phacelia curvipes* Torr. ex S. Wats. Widespread from pinyon-juniper woodland through Jeffrey pine-white fir forest.

*Phacelia hastata* Dougl. ex Lehm. ssp. *compacta* (Brand) Heckard. Widespread from high elevation sagebrush-grass through alpine tundra.

*Phacelia heterophylla* Pursh ssp. *virgata* (Greene) Heckard. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

*Phacelia humilis* Torr. & Gray var. *humilis*. Widespread from pinyon-juniper woodland through Jeffrey pine-white fir forest.

†*Phacelia linearis* (Pursh) Holz. Occurs in adjacent Great Basin mountains in high elevation sagebrush-grass.

\**Phacelia monoensis* Halse. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland and high elevation sagebrush-grass.

*Phacelia peirsoniana* J.T. Howell. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.

*Phacelia ramosissima* Dougl. ex Lehm. var. *ramosissima*. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Phacelia tetramera* J.T. Howell. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

*Tricardia watsonii* Torr. ex S. Wats. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

#### HYPERICACEAE

*Hypericum formosum* Kunth var. *scouleri* (Hook.) Coulter. Common at moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

#### IRIDACEAE

*Iris missouriensis* Nutt. Widespread in moist places from low elevation sagebrush-grass through whitebark pine forest.

*Sisyrinchium halophilum* Greene. Widespread in moist places from pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Sisyrinchium idahoense* Bickn. var. *occidentale* (Bickn.) Henderson. Widespread in moist sites from low elevation sagebrush-grass through whitebark pine forest.

#### JUNCACEAE

*Juncus balticus* Willd. Widespread in moist sites from pinyon-juniper woodland through Jeffrey pine-white fir forest.

*Juncus bryoides* F.J. Herm. Common in moist sites from high elevation sagebrush-grass through whitebark pine forest.

*Juncus bufonius* L. var. *occidentalis* F.J. Herm. Common in moist sites from Jeffrey pine-white fir forest.

*Juncus bufonius* L. var. *bufonius*. Widespread in moist sites from high elevation sagebrush-grass through alpine tundra.

†*Juncus capillaris* F.J. Herm. Common in moist sites from lodgepole pine forest.

†*Juncus drummondii* E. Mey. Widespread in moist sites from pinyon-juniper woodland through Jeffrey pine-white fir forest.

*Juncus ensifolius* Wikstr. Expected from moist sites high elevation sagebrush-grass.

*Juncus hemiendytus* F.J. Herm. var. *hemiendytus*. Common in moist sites from Jeffrey pine-white fir forest and perhaps higher elevations.

*Juncus longistylis* Torr. Common in moist sites from lodgepole pine forest and whitebark pine forest.

*Juncus mertensianus* Bong. Common in moist sites from high elevation sagebrush-grass through whitebark pine forest.

*Juncus mexicanus* Willd. Common in moist sites from pinyon-juniper woodland through whitebark pine forest.

*Juncus nevadensis* S. Wats. Widespread in moist sites from pinyon-juniper woodland through Jeffrey pine-white fir forest and probably higher.

*Juncus orthophyllus* Coville. Widespread in moist sites from pinyon-juniper woodland through whitebark pine forest.

*Juncus parryi* Engelm. Widespread in lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Juncus saximontanus* A. Nels. Common in moist sites from lodgepole pine forest.

†*Luzula comosa* S. Wats. Common from Jeffrey pine-white fir forest through alpine tundra.

†*Luzula divaricata* S. Wats. Common from lodgepole pine forest and whitebark pine forest.

*Luzula spicata* (L.) DC. Common in lodgepole pine forest.

#### JUNCAGINACEAE

*Triglochin concinna* Burt-Davy var. *debilis* (M.E. Jones) J.T. Howell. Expected in moist sites from pinyon-juniper woodland.

*Triglochin maritima* L. Common in moist sites from pinyon-juniper woodland.

#### LAMIACEAE

*Agastache urticifolia* (Benth.) Kuntze. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Marrubium vulgare* L. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

*Mentha arvensis* L. ssp. *haplocalyx* Briq. Widespread from moist sites from pinyon-juniper woodland

*Monardella glauca* Greene. Widespread from high elevation sagebrush-grass through alpine tundra.

*Salvia dorri* (Kellogg) Abrams var. *dorri*. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

*Trichostema austromontanum* Lewis ssp. *austromontanum*. Expected in high elevation sagebrush-grass and Jeffrey pine-white fir forest.

#### LEMNACEAE

*Lemna gibba* L. Widespread aquatic from pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Lemna trisulca* L. Widespread aquatic from Jeffrey pine-white fir forest.

#### LENTIBULARIACEAE

*Utricularia vulgaris* L. Occurs in adjacent Sierra Nevada as aquatic from Jeffrey pine-white fir forest.

#### LILIACEAE

†*Allium anceps* Kellogg. Common from low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.

*Allium atrorubens* S. Wats. var. *atorrubens*. Common from low elevation sagebrush-grass and high elevation sagebrush-grass.

*Allium bisceptrum* S. Wats. var. *bisceptrum*. Widespread from high elevation sagebrush-grass through whitebark pine forest.

†*Allium campanulatum* S. Wats. Widespread in moist sites from low elevation sagebrush-grass through whitebark pine forest.

†*Allium lemmonii* S. Wats. Common in moist sites from Jeffrey pine-white fir forest.

*Allium parvum* Kellogg. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

†*Allium validum* S. Wats. Occurs in adjacent Sierra Nevada in moist sites from Jeffrey pine-white fir forest and lodgepole pine forest.

*Calochortus bruneaunis* A. Nels. & J.F. Macbr. Widespread in pinyon-juniper woodland.

†*Calochortus leichtlinii* Hook. f. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Fritillaria atropurpurea* Nutt. Expected in pinyon-juniper woodland and high elevation sagebrush-grass.

†*Fritillaria pinetorum* A. Davids. Occurs in adjacent Sierra Nevada from Jeffrey pine-white fir forest.

†*Lilium parvum* Kellogg. Occurs in adjacent Sierra Nevada in moist sites from Jeffrey pine-white fir forest through whitebark pine forest.

*Muilla transmontana* Greene. Widespread in pinyon-juniper woodland and high elevation sagebrush-grass.

*Smilacina stellata* (L.) Desf. var. *stellata*. Widespread in moist sites from pinyon-juniper woodland through lodgepole pine forest.

†*Triteleia ixioides* (Ait. f.) Greene ssp. *analina* (Greene) Lenz. Occurs in adjacent Sierra Nevada from lodgepole pine forest and whitebark pine forest.

*Veratrum californicum* Durand var. *californicum*. Widespread in moist sites from pinyon-juniper woodland through whitebark pine forest.

*Zigadenus paniculatus* (Nutt.) S. Wats. Widespread from low elevation sagebrush-grass through whitebark pine forest.

*Zigadenus venenosus* S. Wats. var. *venenosus*. Widespread from pinyon-juniper woodland through lodgepole pine forest.

#### LIMNANTHACEAE

*Floerkea proserpinacoides* Willd. Common in wet sites from high elevation sagebrush-grass through lodgepole pine forest.

#### LINACEAE

*Linum lewisii* Pursh var. *lewisii*. Widespread from high elevation sagebrush-grass through alpine tundra.

#### LOASACEAE

*Mentzelia albicaulis* (Hook.) Torr. & Gray. Widespread from low elevation sagebrush-grass through whitebark pine forest.

*Mentzelia congesta* (Nutt.) Torr. & Gray. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Mentzelia dispersa* S. Wats. Common in Jeffrey pine-white fir forest and lodgepole pine forest.

*Mentzelia laevicaulis* (Hook.) Torr. & Gray. Widespread from low elevation sagebrush-grass through whitebark pine forest.

*Mentzelia montana* (A. Davids.) A. Davids. Common in pinyon-juniper woodland.

*Mentzelia veatchiana* Kellogg. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.

#### MALVACEAE

*Malva neglecta* Wallr. Widespread in Jeffrey pine-white fir forest and lodgepole pine forest.

*Sidalcea multifida* Greene. Common in Jeffrey pine-white fir forest and lodgepole pine forest.

*Sidalcea oregana* (Torr. & Gray) Gray ssp. *spicata* (Regel) C.L. Hitchc. Widespread in moist sites from Jeffrey pine-white fir forest through whitebark pine forest.

*Sphaeralcea ambigua* Gray ssp. *monticola* Kearney. Occurs in adjacent Great Basin mountain in Jeffrey pine-white fir forest and lodgepole pine forest.

†*Sphaeralcea grossulariifolia* (Hook. & Arn.) Rydb. Common in Jeffrey pine-white fir forest and lodgepole pine forest.

#### NYCTAGINACEAE

*Mirabilis bigelovii* Gray var. *retrorsa* (Heller) Munz. Occurs in adjacent Great Basin mountain in low elevation sagebrush-grass and pinyon-juniper woodland.

#### NYMPHAEACEAE

*Nuphar luteum* (L.) Sibth. & Sm. ssp. *polysepalum* (Engelm.) E. Beal. Occurs in adjacent Sierra Nevada lakes in lodgepole pine forest.

#### OLEACEAE

*Menodora spinescens* Gray. Occurs in adjacent Great Basin mountain in low elevation sagebrush-grass.

#### ONAGRACEAE

*Camissonia claviformis* (Torr. & Frem.) Raven ssp. *integrior* (Raven) Raven. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

\**Camissonia nevadensis* (Kellogg) Raven. Common in low elevation sagebrush-grass and pinyon-juniper woodland (not known from California?).

*Camissonia pubens* (S. Wats.) Raven. Widespread in high elevation sagebrush-grass and Jeffrey pine-white fir forest.

*Camissonia pusilla* Raven. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

- Camissonia subacaulis* (Pursh) Raven. Widespread in moist sites from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.
- Camissonia tanacetifolia* (Torr. & Gray) Raven ssp. *tanacetifolia*. Common in moist sites from pinyon-juniper woodland and high elevation sagebrush-grass.
- †*Circaea alpina* L. ssp. *pacifica* (Aschers. & Magnus) Raven. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest and probably higher.
- Epilobium anagallidifolium* Lam. Common in wet sites from Jeffrey pine-white fir forest, whitebark pine forest, and alpine tundra.
- Epilobium angustifolium* L. var. *circumvagum* Mosq. Widespread in moist sites from pinyon-juniper woodland through alpine tundra.
- Epilobium brachycarpum* Presl. Widespread from pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.
- Epilobium ciliatum* Raf. ssp. *ciliatum*. Widespread in moist sites from pinyon-juniper woodland through whitebark pine forest.
- Epilobium glaberrimum* Barbey. Common in lodgepole pine forest and whitebark pine forest.
- Epilobium lactiflorum* Hausskn. Common in moist sites in Jeffrey pine-white fir forest, lodgepole pine forest, and whitebark pine forest.
- Epilobium latifolium* L. Common in moist sites in lodgepole pine forest and whitebark pine forest.
- Epilobium obcordatum* Gray. Common in whitebark pine forest and alpine tundra.
- Epilobium oregonense* Hausskn. Widespread in Jeffrey pine-white fir forest.
- Gayophytum decipiens* Lewis & Szweykowsld. Widespread from pinyon-juniper woodland through whitebark pine forest.
- Gayophytum diffusum* Torr. & Gray ssp. *parviflorum* Lewis & Szweykowsld. Widespread from high elevation sagebrush-grass through alpine tundra.
- †*Gayophytum heterozygum* Lewis & Szweykowski. Common from Jeffrey pine-white fir forest and lodgepole pine forest.
- Gayophytum ramosissimum* Torr. & Gray. Common from pinyon-juniper woodland through alpine tundra.
- Oenothera caespitosa* Nutt. ssp. *marginata* (Nutt.) Munz. Common from low elevation sagebrush-grass through lodgepole pine forest.
- Oenothera elata* Kunth ssp. *hirsutissima* (S. Wats.) W. Dietr. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

#### ORCHIDACEAE

- Corallorhiza maculata* Raf. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest.
- †*Listera convallarioides* (Sw.) Nutt. Occurs in adjacent Sierra Nevada in moist sites from Jeffrey pine-white fir forest.
- Platanthera leucostachys* Lindley. Common in moist sites from Jeffrey pine-white fir forest through whitebark pine forest.
- Platanthera sparsiflora* (S. Wats.) Schlechter. Common in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

#### OROBANCHACEAE

- Orobanche corymbosa* (Rydb.) Ferris var. *corymbosa*. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.
- Orobanche fasciculata* Nutt. var. *fasciculata*. Widespread from low elevation sagebrush-grass through whitebark pine forest.

#### PAEONIACEAE

- †*Paeonia brownii* Dougl. ex Hook. Common from high elevation sagebrush-grass through lodgepole pine forest.

#### PAPAVERACEAE

- Argemone munita* Dm. & Hilg. Widespread from pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.
- Corydalis aurea* Willd. Common from high elevation sagebrush-grass, Jeffrey pine-white fir forest, and lodgepole pine forest.
- †*Dicentra uniflora* Kellogg. Common in lodgepole pine forest and whitebark pine forest.
- Eschscholtzia californica* Cham. Common in pinyon-juniper woodland and Jeffrey pine-white fir forest.

#### PLANTAGINACEAE

- †*Plantago lanceolata* L. Common in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

#### POACEAE

- Agropyron cristatum* (L.) Gaertn. Widespread from low elevation sagebrush-grass through lodgepole pine forest.
- Agropyron intermedium* (Host) Beauv. Expected from low elevation sagebrush-grass through lodgepole pine forest.
- Agropyron dasystachum* (Hook.) Scribn. & Sm. var. *dasystachum*. Expected in high elevation sagebrush-grass.
- Agropyron pringlei* (Scribn. & Sm.) A.S. Hitchc. Common in whitebark pine forest and alpine tundra.
- Agropyron repens* (L.) Beauv. Expected in and around lodgepole pine forest.
- Agropyron scribneri* Vasey. Known from whitebark pine forest and alpine tundra.
- Agropyron trachycaulum* (Link.) Malte var. *latiglume* (Scribn. & Sm.) Beetle. Expected in lodgepole pine forest and higher elevations.

- Agropyron trachycaulum* (Link.) Malte var. *trachycaulum*. Widespread in Jeffrey pine-white fir forest and lodgepole pine forest.
- Agrostis diegoensis* Vasey. Common in lodgepole pine forest and whitebark pine forest (same as *Agrostis pallens* Trin.).
- Agrostis exarata* Trin. var. *exarata*. Widespread in moist sites in pinyon-juniper woodland, Jeffrey pine-white fir forest, and alpine tundra.
- Agrostis idahoensis* Nash. Common in Jeffrey pine-white fir forest and lodgepole pine forest.
- Agrostis scabra* Willd. Widespread in moist sites from pinyon-juniper woodland through lodgepole pine forest.
- Agrostis tenuis* Sibth. Widespread in high elevation sagebrush-grass, red fir forest, and whitebark pine forest (not very distinct from *Agrostis idahoensis*).
- Alopecurus aequalis* Sobol. Widespread in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Alopecurus geniculatus* L. Common in moist sites from whitebark pine forest and alpine tundra.
- Beckmannia syzigachne* (Stendl.) Fern. Known from moist sites in low elevation sagebrush-grass.
- Bromus anomalus* Rupr. ex Fount. Expected in high elevation sagebrush-grass.
- Bromus carinatus* Hook. & Arn. Widespread from pinyon-juniper woodland through lodgepole pine forest.
- Bromus inermis* Leyes. ssp. *inermis*. Widespread from Jeffrey pine-white fir forest.
- Bromus japonicus* Murr. Common from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Bromus rubens* L. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.
- Bromus tectorum* L. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.
- Bromus willdenowii* Kunth. Common in Jeffrey pine-white fir forest (not in California).
- Calamagrostis canadensis* (Michaux.) Beauv. Widespread in moist sites from high elevation sagebrush-grass and whitebark pine forest.
- Calamagrostis purpurascens* R. Br. Common from whitebark pine forest and alpine tundra.
- Dactylis glomerata* L. Occurs in adjacent Sierra Nevada from Jeffrey pine-white fir forest and lodgepole pine forest.
- Danthonia intermedia* Vasey. Occurs in adjacent Sierra Nevada in whitebark pine forest.
- Deschampsia cespitosa* (L.) Beauv. ssp. *cespitosa*. Widespread in moist sites from pinyon-juniper woodland through alpine tundra.
- Deschampsia danthonioides* (Trin.) Munro. Common in moist sites in pinyon-juniper woodland.
- Deschampsia elongata* (Hook.) Munro. Widespread in moist sites from high elevation sagebrush-grass through whitebark pine forest.
- Distichlis spicata* (L.) Greene. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.
- Echinochloa crus-galli* (L.) Beauv. Common in moist sites from low elevation sagebrush-grass.
- Elymus cinereus* Scribn. & Merr. Widespread from low elevation sagebrush-grass through lodgepole pine forest.
- Elymus glaucus* Buckl. Common from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.
- Elymus triticoides* Buckl. var. *pubescens* A.S. Hitchc. Common from low elevation sagebrush-grass and pinyon-juniper woodland.
- Elysitanton xhansenii* (Scribn.) Bowden. Common from whitebark pine forest and alpine tundra.
- Eragrostis orcuttiana* Vasey. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.
- Festuca ovina* L. Widespread in whitebark pine forest and alpine tundra.
- Festuca pratensis* Huds. Known from moist sites in low elevation sagebrush-grass and pinyon-juniper woodland.
- Festuca rubra* L. Common from pinyon-juniper woodland through alpine tundra.
- Glyceria elata* (Nash) M.E. Jones. Common in wet sites from Jeffrey pine-white fir forest and lodgepole pine forest.
- Hilaria jamesii* (Torr.) Benth. Occurs in adjacent Great Basin mountain in low elevation sagebrush-grass and pinyon-juniper woodland.
- Hordeum brachyantherum* Nevsl. Widespread in moist sites from pinyon-juniper woodland through lodgepole pine forest.
- Hordeum jubatum* L. Widespread from pinyon-juniper woodland through lodgepole pine forest.
- Koeleria nitida* Nutt. Widespread from pinyon-juniper woodland through alpine tundra.
- Leucopoa kingii* (S. Wats.) W.A. Weber. Widespread from pinyon-juniper woodland through alpine tundra.
- Melica bulbosa* Porter & Coulter. Common from high elevation sagebrush-grass through whitebark pine forest.
- Melica stricta* Boland. Widespread from pinyon-juniper woodland through whitebark pine forest.
- Muhlenbergia asperifolia* (Nees & Meyem) Parodi. Widespread from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Muhlenbergia filiformis* (Thurb.) Rydb. Common in lodgepole pine forest and alpine tundra.
- Muhlenbergia richardsonis* (Trin.) Rydb. Widespread from low elevation sagebrush-grass through alpine tundra.
- Oryzopsis hymenoides* (Roemer & Schultes) Ricker. Widespread from low elevation sagebrush-grass through lodgepole pine forest.
- Panicum capillare* L. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.
- Phleum alpinum* L. Widespread from high elevation sagebrush-grass through alpine tundra.
- Phleum pratense* L. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Phragmites australis* (Cav.) Steudel. Occurs in adjacent Great Basin mountains in wet sites from pinyon-juniper woodland.

*Poa ampla* Merr. Widespread in pinyon-juniper woodland and high elevation sagebrush-grass.

*Poa annua* L. Common in Jeffrey pine-white fir forest.

*Poa bolanderi* Vasey. Common in Jeffrey pine-white fir forest.

*Poa bulbosa* L. Common in low elevation sagebrush-grass and Jeffrey pine-white fir forest.

*Poa compressa* L. Common in low elevation sagebrush-grass and pinyon-juniper woodland.

*Poa cusickii* Vasey. Widespread from high elevation sagebrush-grass through alpine tundra.

*Poa epilis* Scribn. Common from Jeffrey pine-white fir forest through alpine tundra.

*Poa fendleriana* (Steud.) Vasey. Widespread from pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Poa gracillima* Vasey. Common in whitebark pine forest.

*Poa incurva* Scribn. & Williams. Common in whitebark pine forest.

*Poa interior* Rydb. Common in pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Poa juncifolia* Scribn. Common in Jeffrey pine-white fir forest.

*Poa leibergii* Scribn. Common in whitebark pine forest and alpine tundra.

*Poa leptocoma* Trin. Occurs in adjacent Great Basin mountains from pinyon-juniper woodland.

*Poa nervosa* (Hook.) Vasey. Widespread from pinyon-juniper woodland through alpine tundra/

*Poa nevadensis* Vasey ex Scribn. var. *nevadensis*. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Poa palustris* L. Widespread in moist sites from low elevation sagebrush-grass through lodgepole pine forest.

*Poa pratensis* L. Widespread in moist sites from pinyon-juniper woodland through alpine tundra.

*Poa rupicola* Nash. ex Rydb. Common in whitebark pine forest and alpine tundra.

*Poa sandbergii* Vasey. Widespread in low elevation sagebrush-grass through Jeffrey pine-white fir forest.

*Poa scabrella* (Thurb.) Benth. ex Vasey. Widespread in pinyon-juniper woodland and high elevation sagebrush-grass.

*Polypogon monspeliensis* (L.) Desf. Widespread in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Puccinellia lemmonii* (Vasey) Scribn. Common in alkalai seeps from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.

*Puccinellia nuttalliana* (Schultes) A.S. Hitchc. Expected to occur in alkalai seeps in pinyon-juniper woodland.

*Secale cereale* L. Common in Jeffrey pine-white fir forest.

*Sitanion hystrix* (Nutt.) J.G. Smith var. *brevifolium* (J.G. Smith) C.L. Hitchc. Widespread from low elevation sagebrush-grass through alpine tundra.

*Sitanion jubatum* J.G. Smith. Common in lodgepole pine forest.

*Sporobolus cryptandrus* (Torr.) Gray. Occurs in adjacent Great Basin Mountain in pinyon-juniper woodland.

*Stipa californica* Merr. & Burt-Davy. Common from Jeffrey pine-white fir forest, red fir forest, and lodgepole pine forest (very similar to *Stipa occidentalis*).

*Stipa columbiana* Macoun. Common from lodgepole pine forest and whitebark pine forest.

*Stipa comata* Trin. & Rupr. var. *comata*. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Stipa nevadensis* B.L. Johnson. Widespread from pinyon-juniper woodland through whitebark pine forest.

*Stipa occidentalis* Thurb. ex S. Wats. Widespread from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.

*Stipa speciosa* Trin. & Rupr. Common in pinyon-juniper woodland.

*Stipa thurberiana* Piper. Occurs in adjacent Great Basin Mountain in low elevation sagebrush-grass, pinyon-juniper woodland, and high elevation sagebrush-grass.

*Stipa webberi* (Thurb.) B.L. Johnson. Occurs in adjacent Great Basin Mountain pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Trisetum spicatum* (L.) Richt. ssp. *majus* (Rydb.) Hulten. Widespread from Jeffrey pine-white fir forest through alpine tundra.

*Trisetum spicatum* (L.) Richt. ssp. *molle* (Kunth) Hulten. Common in alpine tundra.

*Vulpia myuros* (L.) Gmelin. Common in pinyon-juniper woodland.

*Vulpia octoflora* (Walt.) Rydb. var. *hirtella* (Piper) Henr. Widespread from pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Vulpia octoflora* (Walt.) Rydb. var. *octoflora*. Common in pinyon-juniper woodland.

#### POLEMONIACEAE

*Allophyllum gilioides* (Benth.) A. & V. Grant var. *gilioides*. Widespread in pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.

*Allophyllum gilioides* (Benth.) A. & V. Grant. var. *violaceum* (Heller) A. Day. Widespread in low elevation sagebrush-grass, high elevation sagebrush-grass, and red fir forest.

*Collomia grandiflora* Dougl. ex Lindl. Widespread in pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.

- Collomia linearis* Nutt. Widespread in pinyon-juniper woodland through alpine tundra.
- Collomia tinctoria* Kellogg. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Eriastrum sparsiflorum* (Eastw.) Mason. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- Eriastrum wilcoxii* (A. Nels.) Mason. Widespread in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.
- Gilia brecciarum* M.E. Jones ssp. *brecciarum*. Widespread from pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.
- †*Gilia capillaris* Kellogg. Common in Jeffrey pine-white fir forest and perhaps higher elevations.
- †*Gilia leptalea* (Gray) Greene ssp. *leptalea*. Common in lodgepole pine forest.
- Gilia leptantha* Parish ssp. *salticola* (Eastw.) A. & V. Grant. Common in Jeffrey pine-white fir forest.
- Gilia leptomeria* Gray. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.
- Gilia malior* Day & V. Grant. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland.
- Gilia modocensis* Eastw. Widespread from low elevation sagebrush-grass through lodgepole pine forest.
- Gilia ophthalmoides* Brand. Widespread from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.
- Gilia tenerrima* A. Gray. Known from Swauger Creek drainage.
- Gymnosteris parvula* (Rydb.) Heller. Widespread in low elevation sagebrush-grass through whitebark pine forest.
- Ipomopsis aggregata* (Pursh) V. Grant ssp. *bridgesii* (Gray) A. & V. Grant. Common in Jeffrey pine-white fir forest.
- Ipomopsis congesta* (Hook.) V. Grant ssp. *montana* (A. Nels. & Kennedy) V. Grant. Occurs in adjacent Sierra Nevada from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Ipomopsis congesta* (Hook.) V. Grant ssp. *palmifrons* (Brand) Day. Widespread in high elevation sagebrush-grass, whitebark pine forest, and alpine tundra.
- Ipomopsis tenuituba* (Rydb.) V. Grant. Widespread from high elevation sagebrush-grass through whitebark pine forest.
- Leptodactylon pungens* (Torr.) Nutt. ex Rydb. Widespread from low elevation sagebrush-grass through alpine tundra.
- †*Linanthus ciliatus* (Benth.) Greene var. *neglectus* (Greene) Jepson. Occurs in adjacent Sierra Nevada from Jeffrey pine-white fir forest, lodgepole pine forest, and alpine tundra.
- Linanthus nuttallii* (Gray) Greene ex Milliken ssp. *nuttallii*. Widespread from pinyon-juniper woodland through whitebark pine forest.
- Linanthus septentrionalis* Mason. Widespread from pinyon-juniper woodland through lodgepole pine forest.
- Navarretia breweri* (Gray) Greene. Widespread from pinyon-juniper woodland through alpine tundra.
- Phlox condensata* (Gray) E. Nels. Widespread from high elevation sagebrush-grass through alpine tundra.
- Phlox diffusa* Benth. ssp. *diffusa*. Widespread from high elevation sagebrush-grass through alpine tundra.
- Phlox gracilis* (Hook.) Greene. Common from low elevation sagebrush-grass through Jeffrey pine-white fir forest and perhaps higher elevations.
- Phlox hoodii* Richards ssp. *canescens* (Torr. & Gray) Wherry. Common from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- Phlox pulvinata* (Wherry) Cronq. Common from whitebark pine forest and alpine tundra.
- Phlox stansburyi* (Torr.) A.A. Heller. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- Polemonium occidentale* Greene. Common in moist sites from Jeffrey pine-white fir forest and lodgepole pine forest.
- \**Polemonium chartaceum* Mason. Known from alpine tundra.
- Polemonium eximium* Greene. Occurs in adjacent Sierra Nevada from alpine tundra.
- Polemonium pulcherrimum* Hook. var. *pulcherrimum*. Common from whitebark pine forest and alpine tundra.

## POLYGALACEAE

- \**Polygala intermontana* Wendt. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.
- †*Polygala subspinoso* S. Wats. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland (not in California within the Walker River drainage).

## POLYGONACEAE

- Chorizanthe brevicornu* Torr. var. *spathulata* (Rydb.) C.L. Hitchc. Occurs in adjacent Sierra Nevada from pinyon-juniper woodland.
- Chorizanthe watsonii* Torr. & Gray. Common in pinyon-juniper woodland.
- Eriogonum baileyi* S. Wats. var. *baileyi*. Widespread in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.
- Eriogonum brachyanthum* Coville. Known from low elevation sagebrush-grass.
- Eriogonum caespitosum* Nutt. Widespread from low elevation sagebrush-grass through lodgepole pine forest.
- Eriogonum elatum* Dougl. ex Benth. var. *elatum*. Widespread from pinyon-juniper woodland through whitebark pine forest.
- Eriogonum esmeraldense* S. Wats. var. *esmeraldense*. Known from pinyon-juniper woodland.

- Eriogonum heermannii* Dur. & Hilg. var. *humilius* (Stokes) Reveal. Common from low elevation sagebrush-grass and pinyon-juniper woodland.
- †*Eriogonum incanum* Torr. & Gray. Occurs in adjacent Sierra Nevada from whitebark pine forest and alpine tundra.
- Eriogonum lobbii* Torr. & Gray var. *lobbii*. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Eriogonum maculatum* Heller. Known from low elevation sagebrush-grass and pinyon-juniper woodland.
- †*Eriogonum marifolium* Torr. & Gray. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Eriogonum microthecum* Nutt. var. *ambiguum* (M.E. Jones) Reveal. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- Eriogonum microthecum* Nutt. var. *laxiflorum* Hook. Widespread from pinyon-juniper woodland through alpine tundra.
- Eriogonum nidularium* Coville. Common in low elevation sagebrush-grass and pinyon-juniper woodland.
- Eriogonum nudum* Dougl. ex Benth. var. *deductum* (Greene) Jepson. Common in Jeffrey pine-white fir forest, lodgepole pine forest, whitebark pine forest, and alpine tundra.
- \**Eriogonum ochrocephalum* S. Wats. var. *alexandrae* Reveal. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass, pinyon-juniper woodland, and Jeffrey pine-white fir forest.
- Eriogonum ovalifolium* Nutt. var. *ovalifolium*. Widespread from low elevation sagebrush-grass through whitebark pine forest.
- Eriogonum ovalifolium* Nutt. var. *nivale* (Canby) M.E. Jones. Widespread from pinyon-juniper woodland, high elevation sagebrush-grass, whitebark pine forest, and alpine tundra.
- †*Eriogonum ovalifolium* Nutt. var. *nevadense* Gandoger. Widespread from low elevation sagebrush-grass, pinyon-juniper woodland, and Jeffrey pine-white fir forest (not in California within the Walker River drainage).
- Eriogonum pusillum* Torr. & Gray. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.
- Eriogonum rosense* A. Nels. & Kennedy. Widespread from high elevation sagebrush-grass, lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Eriogonum spergulinum* Gray var. *reddingianum* (M.E. Jones) J.T. Howell. Widespread from pinyon-juniper woodland through alpine tundra.
- Eriogonum umbellatum* Torr. var. *nevadense* Gandoger. Widespread from low elevation sagebrush-grass through alpine tundra.
- †*Eriogonum vimineum* Dougl. ex Benth. Common from low elevation sagebrush-grass and high elevation sagebrush-grass.
- Eriogonum wrightii* Torr. ex Benth. var. *subscaposum* S. Wats. Widespread from low elevation sagebrush-grass, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.
- Oxyria digyna* (L.) Hill. Widespread in whitebark pine forest and alpine tundra.
- Polygonum amphibium* L. var. *stipulaceum* Coleman. Known as an aquatic in low elevation sagebrush-grass and pinyon-juniper woodland.
- Polygonum arenastrum* Boreau. Widespread in pinyon-juniper woodland.
- Polygonum bistortoides* Pursh. Common in moist sites from Jeffrey pine-white fir forest through whitebark pine forest.
- Polygonum douglasii* Greene var. *douglasii*. Widespread from pinyon-juniper woodland through alpine tundra.
- †*Polygonum minimum* S. Wats. Occurs in adjacent Sierra Nevada in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Polygonum persicaria* L. Occurs in adjacent Great Basin mountains in wet sites from pinyon-juniper woodland.
- †*Polygonum polygaloides* Meissner ssp. *kelloggii* (Greene) J. Hickman. Widespread in pinyon-juniper woodland through alpine tundra.
- Polygonum shastense* Brewer ex Gray. Occurs in adjacent Sierra Nevada in lodgepole pine forest and whitebark pine forest.
- †*Rumex acetosella* L. Common from Jeffrey pine-white fir forest and lodgepole pine forest.
- Rumex crispus* L. Widespread in low elevation sagebrush-grass, pinyon-juniper woodland, and Jeffrey pine-white fir forest.
- Rumex paucifolius* Nutt. ex S. Wats. Widespread in moist sites from high elevation sagebrush-grass, Jeffrey pine-white fir forest, lodgepole pine forest, and alpine tundra.
- Rumex salicifolius* Weinm. var. *denticulatus* Torr. Widespread in pinyon-juniper woodland and probably higher elevations.
- Rumex salicifolius* Weinm. var. *triangulavalvis* (Danser) C. Hitchc. Widespread from pinyon-juniper woodland through lodgepole pine forest.

## PORTULACACEAE

- Calyptridium roseum* S. Wats. Widespread in low elevation sagebrush-grass and pinyon-juniper woodland.
- Calyptridium umbellatum* (Torr.) Greene. Widespread from low elevation sagebrush-grass through alpine tundra.
- Claytonia nevadense* S. Wats. Common in moist sites from whitebark pine forest and alpine tundra.
- Claytonia rubra* (T.J. Howell) Tidestrom. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- Claytonia umbellata* S. Wats. Common in alpine tundra.

†*Lewisia nevadensis* (Gray) B.L. Robins. Widespread in moist sites from high elevation sagebrush-grass through alpine tundra.

*Lewisia pygmaea* (Gray) B.L. Robins. ssp. *pygmaea*. Common from lodgepole pine forest through alpine tundra.

*Lewisia rediviva* Pursh ssp. *rediviva*. Common in pinyon-juniper woodland and high elevation sagebrush-grass.

*Lewisia rediviva* Pursh ssp. *minor* (Rydb.) A. Holmgren. Common in pinyon-juniper woodland and high elevation sagebrush-grass.

†*Lewisia triphylla* (S. Wats.) B.L. Robins. Occurs in adjacent Sierra Nevada in lodgepole pine forest.

*Montia chamissoi* (Sprengel) Greene. Widespread from pinyon-juniper woodland through lodgepole pine forest.

#### POTAMOGETONACEAE

*Potamogeton gramineus* L. Widespread aquatic from pinyon-juniper woodland through Jeffrey pine-white fir forest.

†*Potamogeton richardsonii* (Benn.) Rydb. Occurs in adjacent Sierra Nevada as aquatic in whitebark pine forest.

#### PRIMULACEAE

*Androsace septentrionalis* L. var. *subumbellata* G. Robb. Common in whitebark pine forest and alpine tundra.

*Dodecatheon alpinum* (Gray) Greene. Widespread from pinyon-juniper woodland through alpine tundra.

*Primula suffrutescens* Gray. Expected to occur in whitebark pine forest and alpine tundra.

#### RANUNCULACEAE

*Aconitum columbianum* Nutt. Widespread in moist sites from Jeffrey pine-white fir forest and lodgepole pine forest.

*Actaea rubra* (Ait.) Willd. Occurs in adjacent Sierra Nevada in moist sites from Jeffrey pine-white fir forest through lodgepole pine forest.

†*Anemone drummondii* S. Wats. Occurs in adjacent Sierra Nevada in lodgepole pine forest through alpine tundra.

*Aquilegia formosa* Fischer. Common in moist sites from pinyon-juniper woodland through whitebark pine forest.

†*Aquilegia pubescens* Coville. Occurs in adjacent Sierra Nevada in whitebark pine forest and alpine tundra.

†*Caltha leptosepala* DC. ssp. *biflora* (DC.) G. Lawson. Occurs in adjacent Sierra Nevada in whitebark pine forest.

*Clematis ligusticifolius* Nutt. Expected to occur from pinyon-juniper woodland through Jeffrey pine-white fir forest.

*Delphinium andersonii* Gray. Widespread from low elevation sagebrush-grass through lodgepole pine forest.

*Delphinium glaucum* S. Wats. Common from Jeffrey pine-white fir forest through whitebark pine forest.

*Delphinium parishii* Gray ssp. *parishii*. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

*Delphinium polycladon* Eastw. Occurs in adjacent Sierra Nevada in red fir forest, lodgepole pine forest and whitebark pine forest.

†*Myosurus apetalus* C. Gay. Widespread in moist sites from pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.

*Ranunculus alismifolius* Geyer ex Benth. var. *alismellus* Gray. Common in moist sites from pinyon-juniper woodland through whitebark pine forest.

*Ranunculus aquatilis* L. var. *capillaceus* (Thuill.) DC. Widespread in wet sites from pinyon-juniper woodland through whitebark pine forest.

*Ranunculus cymbalaria* Pursh var. *saximontanus* Fem. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Ranunculus eschscholtzii* Schlecht. var. *eschscholtzii*. Common from lodgepole pine forest and whitebark pine forest.

*Ranunculus eschscholtzii* Schlecht. var. *oxynotis* (Gray) Jepson. Common from lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Ranunculus glaberrimus* Hook. var. *ellipticus* Hook. Known from high elevation sagebrush-grass.

†*Ranunculus occidentalis* Torr. & Gray var. *ultramontanus* Greene. Common in Jeffrey pine-white fir forest.

*Ranunculus testiculatus* Crantz. Common in pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Thalictrum fendleri* Gray var. *fendleri*. Common from Jeffrey pine-white fir forest through whitebark pine forest.

*Thalictrum sparsiflorum* Turcz. ex Fisch. & Mey. var. *saximontanum* Boivin. Common from red fir forest through whitebark pine forest.

#### RHAMNACEAE

*Ceanothus greggii* Gray var. *vestitus* (Greene) McMinn. Common in pinyon-juniper woodland.

*Ceanothus velutinus* Dougl. var. *velutinus*. Widespread from pinyon-juniper woodland through alpine tundra.

†*Rhamnus rubra* Greene ssp. *rubra*. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest.

#### ROSACEAE

†*Amelanchier alnifolia* (Nutt.) Nutt. var. *pumila* (Nutt.) Nels. Occurs in adjacent Sierra Nevada from Jeffrey pine-white fir forest, red fir forest, and lodgepole pine forest.

†*Amelanchier pallida* Greene. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Amelanchier utahensis* Koehne var. *covillei* (Standl.) Clokey. Known from pinyon-juniper woodland.

*Amelanchier utahensis* Koehne var. *utahensis*. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

*Cercocarpus intricatus* S. Wats. Common from pinyon-juniper woodland.

*Cercocarpus ledifolius* Nutt. ex Torr. & Gray var. *ledifolius*. Widespread from pinyon-juniper woodland through whitebark pine forest.

- Chamaebatiaria millefolium* (Torr.) Maxim. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.
- †*Fragaria virginiana* Duchesne. Expected in moist sites from Jeffrey pine-white fir forest through whitebark pine forest.
- Geum macrophyllum* Willd. Widespread in moist sites from pinyon-juniper woodland through whitebark pine forest.
- Geum triflorum* Pursh. Common in moist sites from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- †*Holodiscus discolor* (Pursh) Maxim. Widespread from pinyon-juniper woodland through whitebark pine forest.
- Horkelia fusca* Lindley ssp. *parviflora* (Nutt.) Keck. Widespread in high elevation sagebrush-grass, Jeffrey pine-white fir forest, and lodgepole pine forest.
- Horkeliella congdonis* (Rydb.) Rydb. Known from lodgepole pine forest.
- Ivesia gordonii* (Hook.) Torr. & Gray. Common in whitebark pine forest and alpine tundra.
- Ivesia lycopodioides* (Hook.) Torr. & Gray ssp. *lycopodioides*. Common in moist sites from whitebark pine forest.
- Ivesia lycopodioides* (Hook.) Torr. & Gray ssp. *megalopetala* (Rydb.) Keck. Occurs in adjacent Sierra Nevada in moist sites from whitebark pine forest.
- Ivesia shockleyi* S. Wats. var. *shockleyi*. Occurs in adjacent Sierra Nevada from whitebark pine forest and alpine tundra.
- Potentilla anserina* L. ssp. *anserina*. Occurs in adjacent Sierra Nevada and Great Basin mountains in most sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Potentilla biennis* Greene. Widespread in moist sites from low elevation sagebrush-grass through whitebark pine forest.
- †*Potentilla diversifolia* Lehm. var. *diversifolia*. Common from whitebark pine forest and alpine tundra.
- †*Potentilla drummondii* Lehm. ssp. *breweri* (S. Wats.) Ertter. Common from whitebark pine forest and alpine tundra.
- †*Potentilla drummondii* Lehm. ssp. *bruceae* (Rydb.) Keck. Common from whitebark pine forest and alpine tundra.
- †*Potentilla flabellifolia* Hook. Common from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Potentilla fruticosa* L. Occurs in adjacent Sierra Nevada from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Potentilla glandulosa* Lindl. ssp. *nevadensis* (S. Wats.) Keck. Widespread from high elevation sagebrush-grass through alpine tundra.
- Potentilla gracilis* Dougl. ex Hook. var. *elmeri* (Rydb.) Jepson. Common in pinyon-juniper woodland.
- Potentilla gracilis* Dougl. ex Hook. var. *fastigata* (Nutt.) S. Wats. Widespread from pinyon-juniper woodland through alpine tundra.
- Potentilla gracilis* Dougl. ex Hook. var. *flabelliformis* (Lehm.) Torr. & Gray. Common from pinyon-juniper woodland.
- Potentilla pseudosericea* Rydb. Common from whitebark pine forest and alpine tundra.
- Prunus andersonii* Gray. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- Prunus emarginata* (Hook.) Walp. Common from high elevation sagebrush-grass through lodgepole pine forest.
- Prunus virginiana* L. var. *demissa* (Nutt.) Torr. Common from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Purshia tridentata* (Pursh) DC. var. *tridentata*. Widespread from low elevation sagebrush-grass through whitebark pine forest.
- Rosa woodsii* Lindley var. *ultramontana* (S. Wats.) Jepson. Widespread in moist sites from pinyon-juniper woodland through whitebark pine forest.
- †*Rubus parviflorus* Nutt. Occurs in adjacent Sierra Nevada from Jeffrey pine-white fir forest and red fir forest.
- Sibbaldia procumbens* L. Common from whitebark pine forest and alpine tundra.
- †*Sorbus californica* Greene. Occurs in adjacent Sierra Nevada from lodgepole pine forest and whitebark pine forest.
- †*Spiraea densiflora* Torr. & Gray. Occurs in adjacent Sierra Nevada from lodgepole pine forest, whitebark pine forest, and alpine tundra.

## RUBIACEAE

- Gallium aparine* L. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Gallium bifolium* S. Wats. Widespread in moist sites from pinyon-juniper woodland through alpine tundra.
- Gallium hypotrachium* Gray ssp. *hypotrachium*. Widespread in whitebark pine forest and alpine tundra.
- Gallium multiflorum* Kellogg. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.
- Gallium trifidum* L. Occurs in adjacent Sierra Nevada in high elevation sagebrush-grass.
- †*Gallium triflorum* Michaux. Occurs in adjacent Sierra Nevada in Jeffrey pine-white fir forest.
- †*Kelloggia galioides* Torr. Common from Jeffrey pine-white fir forest through whitebark pine forest.

## SALICACEAE

- Populus balsamifera* L. ssp. *trichocarpa* (Torr. & Gray) Brayshaw. Widespread in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Populus fremontii* S. Wats. ssp. *fremontii*. Widespread in moist places from low elevation sagebrush-grass and pinyon-juniper woodland.
- Populus tremuloides* Michaux. Widespread in moist places from low elevation sagebrush-grass and whitebark pine forest.
- †*Salix arctica* Pallas. Common in moist sites from whitebark pine forest and alpine tundra.
- Salix boothii* Dorn. Widespread in moist sites from high elevation sagebrush-grass and probably higher.
- †*Salix drummondiana* Barratt ex Hook. Common in moist sites from whitebark pine forest and probably lower elevations.
- Salix eastwoodiae* Heller. Expected in moist places from whitebark pine forest.
- Salix exigua* Nutt. Widespread in moist sites from pinyon-juniper woodland through Jeffrey pine-white fir forest.

*Salix geyeriana* Anderss. Widespread in moist sites from pinyon-juniper woodland through alpine tundra.

*Salix lasiolepis* Benth. Widespread in moist sites in low elevation sagebrush-grass and pinyon-juniper woodland.

*Salix lemmonii* Bebb. Widespread in moist sites from Jeffrey pine-white fir forest through whitebark pine forest.

*Salix lucida* Muhlenb. var. *lasiandra*. Widespread in moist sites from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.

*Salix lutea* Nutt. Widespread in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

†*Salix melanopsis* Nutt. Widespread in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Salix orestera* Schneid. Common in moist sites from lodgepole pine forest, whitebark pine forest, and alpine tundra.

*Salix planifolia* Pursh. Common in moist sites from Jeffrey pine-white fir forest through alpine tundra.

†*Salix reticulata* L. ssp. *nivalis* (Hook.) Love, Love & Kapoor. Occurs in adjacent Sierra Nevada in whitebark pine forest and alpine tundra.

*Salix scouleriana* Barratt ex Hook. Common from Jeffrey pine-white fir forest and probably higher.

#### SAXIFRAGACEAE

\**Heuchera duranii* Bacig. Widespread from pinyon-juniper woodland through alpine tundra.

*Heuchera rubescens* Torr. var. *alpicola* Jepson. Widespread from pinyon-juniper woodland through alpine tundra.

*Lithophragma glabrum* Nutt. Widespread from low elevation sagebrush-grass through whitebark pine forest.

†*Mitella breweri* Gray. Occurs in adjacent Sierra Nevada from red fir forest, lodgepole pine forest, and whitebark pine forest.

†*Mitella pentandra* Hook. Occurs in adjacent Sierra Nevada from red fir forest, lodgepole pine forest, and whitebark pine forest.

†*Parnassia californica* (Gray) Greene. Common in moist sites from pinyon-juniper woodland through alpine tundra.

†*Saxifraga aprica* Greene. Occurs in adjacent Sierra Nevada in moist sites from whitebark pine forest and alpine tundra.

†*Saxifraga bryophora* Gray. Occurs in adjacent Sierra Nevada in moist sites from lodgepole pine forest, whitebark pine forest, and alpine tundra.

†*Saxifraga nidifica* Greene. var. *nidifica*. Occurs in adjacent Sierra Nevada in moist sites from Jeffrey pine-white fir forest and lodgepole pine forest.

†*Saxifraga odontoloma* Piper. Common in wet sites from Jeffrey pine-white fir forest through whitebark pine forest.

†*Saxifraga oregana* T.J. Howell var. *sierrae* Coville. Common in moist sites from Jeffrey pine-white fir forest and lodgepole pine forest.

†*Saxifraga tolmiei* Torr. & Gray var. *ledifolia* (Greene) Engl. & Innsch. Occurs in adjacent Sierra Nevada from whitebark pine forest and alpine tundra.

#### SCROPHULARIACEAE

*Antirrhinum kingii* S. Wats. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass.

*Castilleja angustifolia* (Nutt.) G. Don. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

*Castilleja applegatei* Fern. var. *pallida* (Eastwood) N. Holmgren. Widespread from pinyon-juniper woodland through whitebark pine forest.

†*Castilleja lemmonii* Gray. Occurs in adjacent Sierra Nevada from whitebark pine forest and alpine tundra.

*Castilleja linariifolia* Benth. ex DC. Widespread from pinyon-juniper woodland through alpine tundra.

*Castilleja miniata* Hook. spp. *miniata* Widespread in moist sites from Jeffrey pine-white fir forest through whitebark pine forest.

*Castilleja minor* (Gray) Gray spp. *minor*. Occurs in adjacent Great Basin mountains in wet sites from pinyon-juniper woodland.

*Castilleja nana* Eastwood. Occurs in adjacent Sierra Nevada in alpine tundra.

*Castilleja parviflora* Bong. Occurs in adjacent Sierra Nevada in whitebark pine forest.

*Castilleja pilosa* (S. Wats.) Rydb. Widespread from high elevation sagebrush-grass through alpine tundra.

*Castilleja tenuis* (Heller) Chuang & Heckard. Widespread from pinyon-juniper woodland through lodgepole pine forest.

*Collinsia parviflora* Dougl. ex Lindl. Widespread from low elevation sagebrush-grass through alpine tundra.

*Cordylanthus kingii* S. Wats. ssp. *helleri* (Ferris) Chuang & Heckard. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

*Cordylanthus ramosus* Benth. Widespread in pinyon-juniper woodland.

†*Keckiella breviflora* (Lindley) Straw var. *glabrisepala* (Keck) N. Holmgren. Common in pinyon-juniper woodland and Jeffrey pine-white fir forest.

*Mimulus floribundus* Lindley. Common in moist sites from Jeffrey pine-white fir forest.

*Mimulus guttatus* DC. Common in moist sites from high elevation sagebrush-grass, Jeffrey pine-white fir forest, and lodgepole pine forest.

†*Mimulus lewisii* Pursh. Expected in moist sites from Jeffrey pine-white fir forest through whitebark pine forest.

*Mimulus mephiticus* Greene. Widespread from low elevation sagebrush-grass through alpine tundra.

*Mimulus moschatus* Dougl. Common in moist sites from Jeffrey pine-white fir forest.

*Mimulus pilosus* (Benth.) S. Wats. Occurs in adjacent Great Basin mountains in moist sites from pinyon-juniper woodland

- Mimulus primuloides* Benth. var. *primuloides*. Widespread in moist sites from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.
- Mimulus rubellus* Gray. Common in moist sites from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.
- Mimulus suksdorfii* Gray. Widespread from low elevation sagebrush-grass through alpine tundra.
- Mimulus tilingii* Regel. Widespread in moist sites from pinyon-juniper woodland through alpine tundra.
- Orthocarpus cuspidatus* Greene var. *cryptanthus* (Piper) Chuang & Heckard. Widespread from high elevation sagebrush-grass through lodgepole pine forest.
- Orthocarpus luteus* Nutt. Expected in pinyon-juniper woodland, high elevation sagebrush-grass, and Jeffrey pine-white fir forest.
- Pedicularis attollens* Gray. Common in moist sites from lodgepole pine forest, whitebark pine forest, and alpine tundra.
- †*Pedicularis groenlandica* Retz. Occurs in adjacent Sierra Nevada in moist sites from whitebark pine forest and alpine tundra.
- †*Pedicularis semibarbata* Gray. Occurs in adjacent Sierra Nevada from lodgepole pine forest.
- Penstemon davidsonii* Greene var. *davidsonii*. Common in whitebark pine forest and alpine tundra.
- Penstemon deustus* Lindley. var. *pedicellatus* M.E. Jones. Common in pinyon-juniper woodland.
- Penstemon heterodoxus* Gray var. *heterodoxus*. Common in lodgepole pine forest, whitebark pine forest, and alpine tundra.
- Penstemon humilis* Gray var. *humilis*. Common in pinyon-juniper woodland and high elevation sagebrush-grass.
- †*Penstemon newberryi* Gray ssp. *newberryi*. Common in Jeffrey pine-white fir forest through alpine tundra.
- †*Penstemon procerus* Dougl. ex Graham. ssp. *formosus* (A. Nels.) Keck. Common in moist sites from lodgepole pine forest and alpine tundra.
- Penstemon rostriflorus* Kellogg. Widespread from pinyon-juniper woodland through alpine tundra.
- \**Penstemon rubicundis* Keck. Occurs in adjacent Great Basin mountains in pinyon-juniper woodland (not known from California).
- Penstemon rydbergii* A. Nels. var. *oreocharis* (Greene) N. Holmgren. Widespread from pinyon-juniper woodland through lodgepole pine forest.
- Penstemon speciosus* Lindley. Widespread from pinyon-juniper woodland through alpine tundra.
- Scrophularia desertorum* (Munz) R.J. Shaw. Widespread from pinyon-juniper woodland, Jeffrey pine-white fir forest, and lodgepole pine forest.
- Verbascum thapsus* L. Widespread from low elevation sagebrush-grass through lodgepole pine forest.
- Veronica americana* (Raf.) Benth. Widespread in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.
- Veronica anagallis-aquatica* L. Expected in wet sites low elevation sagebrush-grass through high elevation sagebrush-grass.
- Veronica beccabunga* L. Expected in wet sites low elevation sagebrush-grass through high elevation sagebrush-grass.
- Veronica peregrina* L. ssp. *xalapensis* (Kunth) Pennell. Widespread in moist sites from Jeffrey pine-white fir forest and lodgepole pine forest.
- Veronica serpyllifolia* L. ssp. *humifusa* (Dickson) Syme. Widespread in moist sites from pinyon-juniper woodland through whitebark pine forest.
- †*Veronica wormskjoldii* Roemer & Schultes. Occurs in adjacent Sierra Nevada in moist sites from whitebark pine forest and alpine tundra.

## SOLANACEAE

- Chamaesaracha nana* (Gray) Gray. Common from pinyon-juniper woodland through lodgepole pine forest.
- Nicotiana attenuata* Ton-, ex S. Wats. Widespread from low elevation sagebrush-grass through Jeffrey pine-white fir forest.

## TYPHACEAE

- Typha latifolia* L. Common in wet sites from pinyon-juniper woodland.

## URTICACEAE

- Urtica dioica* L. ssp. *holosericea* (Nutt.) Thorne. Widespread in moist sites from pinyon-juniper woodland and Jeffrey pine-white fir forest.

## VALERIANACEAE

- †*Plectritis macrocera* Torr. & Gray. Common in pinyon-juniper woodland.
- †*Valeriana californica* Heller. Widespread from high elevation sagebrush-grass through alpine tundra.

## VERBENACEAE

- Verbena bracteata* Lag. & Rodr. Occurs in adjacent Great Basin mountains in low elevation sagebrush-grass and pinyon-juniper woodland.

## VIOLACEAE

†*Viola adunca* Sm. var. *adunca*. Expected in moist sites from Jeffrey pine-white fir forest.

†*Viola bakeri* Greene. Common from high elevation sagebrush-grass and probably higher.

†*Viola macloskeyi* Lloyd. Occurs in adjacent Sierra Nevada in moist sites from Jeffrey pine-white fir forest through alpine tundra.

†*Viola purpurea* Kellogg ssp. *purpurea*. Widespread from pinyon-juniper woodland through alpine tundra.

*Viola sororia* Willd. ssp. *affinis* (Le Conte) R. J. Little. Widespread in moist sites from pinyon-juniper woodland through lodgepole pine forest.

## VISCACEAE

*Arceuthobium divaricatum* Engelm. Common in pinyon-juniper woodland.

*Phoradendron juniperinum* Gray. Widespread in pinyon-juniper woodland and Jeffrey pine-white fir forest.

## ZYGOPHYLLACEAE

*Tribulus terrestris* L. Common from pinyon-juniper woodland.

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